

UNCLASSIFIED

AD NUMBER

AD222818

CLASSIFICATION CHANGES

TO: **unclassified**

FROM: **confidential**

LIMITATION CHANGES

TO:

**Approved for public release, distribution
unlimited**

FROM:

**Distribution authorized to U.S. Gov't.
agencies and their contractors;
Administrative/Operational Use; DEC 1952.
Other requests shall be referred to Office
of Naval Research, Arlington, VA
22203-1995.**

AUTHORITY

**15 Apr 1960, per doc markings; OSD ltr, 2
Aug 1960**

THIS PAGE IS UNCLASSIFIED

DISCLAIMER NOTICE

**THIS DOCUMENT IS BEST QUALITY
PRACTICABLE. THE COPY FURNISHED
TO DTIC CONTAINED A SIGNIFICANT
NUMBER OF PAGES WHICH DO NOT
REPRODUCE LEGIBLY.**

This Document Contains
Missing Page/s That Are
Unavailable In The
Original Document

ORANGE
Blank(s)-P^A?
Third number
Blank REMAIN

BEST
AVAILABLE COPY

UNCLASSIFIED

AD 222 818

*Reproduced
by the*

**ARMED SERVICES TECHNICAL INFORMATION AGENCY
ARLINGTON HALL STATION
ARLINGTON 12, VIRGINIA**



**CLASSIFICATION CHANGED
TO UNCLASSIFIED
FROM CONFIDENTIAL
PER AUTHORITY LISTED IN
ASTIA TAB NO. U62-12
DATE 15 APR 62**

UNCLASSIFIED

NOTICE: When government or other drawings, specifications or other data are used for any purpose other than in connection with a definitely related government procurement operation, the U. S. Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

(2)

THE LIBRARY OF CONGRESS
Technical Information Division

A CATALOG OF
OSRD
REPORTS

302198
302203

Division 8
EXPLOSIVES
(Confidential Reports)
Compiled and Edited by
Sylvia E. Weiss and Herbert S. White
For the Office of Naval Research Under Contract NAAonr 13-47

WASHINGTON, D. C.
December, 1952

CONFIDENTIAL
Security Information

Copy No. 17

A !

This document is the property of the United States Government. It is furnished for the duration of the contract and shall be returned when no longer required, or upon recall by ASTIA to the following address:

Armed Services Technical Information Agency, Arlington Hall Station,
Arlington 12, Virginia

NOTICE: THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE 18, U.S.C., SECTIONS 793 AND 794. THE TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

BEST AVAILABLE

— on,

ECTING THE

E MEANING

— 3 and 794.

ENTS IN

ITED BY LAW.

COPY

A CATALOG OF OSRD REPORTS

DIVISION 8

CONTENTS

	Page
Bibliography	629
Contractor Index	681
Contract Number Index	683
OSRD Number Index	685
Report Number Index	687
Author Index	688
Subject Index	690

CONFIDENTIAL

A CATALOG OF OSRD REPORTS

DIVISION 8

DIVISION 8

CALIFORNIA INSTITUTE OF TECHNOLOGY,
Pasadena, Calif. OEMsr-881
Projects NO-33, NO-274, OD-
01, OD-05, OD-12, OD-14, OD-
15, OD-44, OD-158.

SUMMARY TECHNICAL REPORT

9700 Vol. 1. The preparation and testing of explosives, edited by A. H. Blatt. Washington, D. C., 1946. 185p. Contents.--Chapter 1. Preparation of high explosives.--Chapter 2. The properties of high explosives.--Chapter 3. Applications of high explosives.--Chapter 4. Experimental studies of explosive phenomena.--Chapter 5. The theory of the detonation process.--Chapter 6. Propellants.--Chapter 7. Tracers and igniters. C

AMERICAN AIRCRAFT ASSOCIATION, Dayton, Ohio OEMsr-1216 Project OD-14.

9701 Grain type jet motor: design and development; final report by I. Edward Bando. July 18, 1945. C

9702 Design of the grain type jet motor; progress reports by C. W. Wilson. [Mar. 15]- June 15, 1944. C

9703 Development of motors for large grains of composite propellant, by C. W. Wilson. [Apr. 15, May 15 and June 15, 1944] C

9704 Absorption spectra of explosives and other compounds of interest in the study of smokeless powder; [final report] by Rene Scott Mills and Philip E. Wilcox. Oct. 30, 1945. OSRD 5953. C

9706 Changes in the percentage of diphenylamine in single and double base powders which had been subjected to vacuum stability tests at 110°, 100°, 90°, and 80°C; [final report] by Jerry Donohue. Nov. 28, 1945. OSRD-5957. C

9707 A chromatographic investigation of the impurities in certain samples of commercial HDX; [final report] by Earl W. Malmberg. Nov. 17, 1945. OSRD 5344. C

9709 Chromatographic studies of smokeless powder and related substances, II; [final report] by Robert B. Corcy and Walter A. Schroeder. Dec. 6, 1944. OSRD 4431. C

9710 Compositions of gases evolved by smokeless powders in vacuo at elevated temperatures; [final report] by Victor Schuckin. Nov. 16, 1945. OSRD 5456. C

DIVISION 8

A CATALOG OF OSRD REPORTS

- | | |
|--|---|
| <p>9711 Critical evaluation of results of the application of the vacuum stability test to smokeless powder; [final report] by Jerry Donohue and William N. Lipscomb, jr. Dec. 6, 1945. OSRD 5963. C</p> <p>9712 Decrease of stabilizer in powders containing RDX during storage at elevated temperatures; [final report] by Richard M. Lemmon. Nov. 13, 1945. OSRD 5945. C</p> <p>9713 The effect of changes in composition on the stability of trench mortar increments; [final report] by Kenneth N. Trueblood. Mar. 17, 1945. OSRD 4821. C</p> <p>9714 The effect of variations in composition on the stability of ballistite; [final report] by Kenneth N. Trueblood. Aug. 7, 1945. OSRD 5418. C</p> <p>9716 An investigation of the possible correlation of changes in color with the condition and stability of certain production lots of stick powder; [final report] by Jerry Donohue. Sept. 28, 1945. OSRD 5533. C</p> <p>9717 An investigation of the propellant taken from a captured 21-cm. German rocket; [final report] by David P. Shoemaker. Dec. 6, 1945. OSRD 5973. C</p> | <p>9718 Investigations of captured Japanese propellants; [final report] by Garman Harbottle, Richard M. Noyes and David P. Shoemaker. Nov. 13, 1945. OSRD 5971. C</p> <p>9720 Investigations of the linear burning rates of propellant powders of various compositions; [final report] by Stanley C. Burkett. Dec. 6, 1945. OSRD 5972. C</p> <p>9721 A laboratory for the preparation of small batches of solventless double base powder; [final report] by A. O. Dekker. Nov. 14, 1945. OSRD 5947. C</p> <p>9722 A magazine of new design for conducting 65.5°C. surveillance tests on smokeless powders; [final report] by Austin L. Wahrhaftig. Nov. 23, 1945. OSRD 5962. C</p> <p>9723 Measurements of pH on smokeless powders; [final report] by John W. Otves and David P. Shoemaker. Nov. 28, 1945. OSRD 5968. C</p> <p>9725 A new apparatus for studying the stability of smokeless powders. A highly-modified form of the Taliani test; [final report] by Victor Schocken. Nov. 16, 1945. OSRD 5961. C</p> |
|--|---|

A CATALOG OF OSRD REPORTS

DIVISION 8

- 9726 A nomogram for calculation of results of vacuum stability tests; [final report] by Jerry Donohue and Fred Ordway. Oct. 19, 1945. OSRD-5964. C
- 9727 The preparation and plastic properties of small batches of double base powders containing nitro esters of maleic acid; [final report] by Earl O. Wilson. Dec. 1, 1944. OSRD 4430. C
- 9728 Preparation and properties of rolled sheet powders containing DINA and other explosive plasticizers; [final report] by Stanley C. Burkett and A. O. Dekker. Aug. 1, 1945. OSRD 5466. C
- 9729 Procedures for the analysis of EJA powders; [final report] by Richard M. Noyes and W. A. Schroeder. Jan. 24, 1945. OSRD 4581. C
- 9731 A proposed device for indicating the condition of the propellant charge in rocket motors on shipboard or in the field; [final report] by Jerry Donohue. Nov. 13, 1945. OSRD 5958. C
- 9732 The relationship between the quantities of "total", "available", and "actual" diphenylamine in smokeless powders; [final report] by Allan L. Grossberg and Richard M. Noyes. Nov. 13, 1945. OSRD 5948. C
- 9733 Stabilization of smokeless powder by diphenylamine. I. Transformation products of diphenylamine in double base powder; [final report] by W. A. Schroeder. Nov. 29, 1945. OSRD 5965. R
- 9734 Stabilization of smokeless powder by diphenylamine. II. Transformation products of diphenylamine in FNH and pyro powder; [final report] by Laura L. Fong. Nov. 13, 1945. OSRD 5966. C
- 9735 Studies on the condition and stability of 7/8-inch stick powder containing 100 percent rework; [final report] by Jerry Donohue. Sept. 21, 1945. OSRD 5969. C
- 9736 X-ray diffraction studies of constituents of explosives; [final report] by Richard M. Noyes and Maryellin Kates. Nov. 14, 1945. OSRD 5951. C
- 9737 The chromatographic investigation of samples from Dana, Indiana, and from Kingsport, Tennessee, by Robert B. Corey. July 26, 1944. C
- 9738 Chromatographic studies of RDX and related substances, by Linus Pauling, R. B. Corey, A. L. LeRosen and Earl Malmberg. Apr.-Sept. 1944. C
- 9739 A chromatographic study of RDX and related substances, by Earl W. Malmberg. Nov. 13, 1945. OSRD 5943. C

DIVISION 8

A CATALOG OF OSRD REPORTS

9740	The chromatography of cyclonite oxide, by Robert B. Corey. Aug. 1, 1944. C	9749	Rocket and rocket propellant development in Germany, by Robert A. Cooley. May 1945. C
9741	The chromatography of some compounds related to RDX, by Robert B. Corey. July 25, 1944. C	9750	Some experiments dealing with the effect of carbon black and nigrósine on the stability of ballistite, by E. O. Wilson. May 15, 1944. OSRD 3783. C
9742	Development of a vacuum stability test for double base powders; progress reports 1-2 by William N. Lipscomb, jr. May 30 and Oct. 18, 1945. OSRD nos. 5149, 5954. C	9751	Stabilization of smokeless powder by ethyl centralite. I. Transformation products of ethyl centralite in double base powder, by Kenneth N. Trueblood. Oct. 30, 1945. OSRD 5967. R
9746	Investigations of captured German propellants, by William N. Lipscomb, jr. and Richard M. Noyes. Oct. 2, 1945. OSRD 5970. C	9752	Studies of the effect of various salts on the vacuum stability behavior of solventless double base powders, by Philip Hayward. Nov. 13, 1945. OSRD 5960. C
9747	Investigations of double base powder, Ordnance Department Program OD-158; monthly progress report nos. 3-5 by Robert B. Corey and Gladys E. Acevedo. July 15, Aug. 15 and Sept. 15, 1944. C	9753	Studies relating to the stability of pilot lots of rocket propellant powders, by Josephine Bonner and John W. Ottos. Nov. 28, 1945. OSRD 5955. C
9748	Investigations of double base powders; formal monthly reports by Linus Pauling, Robert B. Corey, Gladys E. Acevedo, Joan M. Bateman, Olga M. Hoben and William N. Lipscomb, jr. Jan. 1943-Aug. 1945. Abstracts, by Linus Pauling. [Sept. 15, 1944-Aug. 15, 1945] Informal monthly reports, by Linus Pauling and Robert B. Corey. [Mar. 15, 1943-Jan. 15, 1945] C	9754	Vacuum stability tests on experimental powders containing manganese dioxide, by David P. Shoemaker and Jerry Donohue. Apr. 23, 1945. OSRD 4970. C
		9755	Vacuum stability tests on experimental powders containing phthalide, by David P. Shoemaker. Apr. 23, 1945. OSRD 4971. C

A CATALOG OF OSRD REPORTS

DIVISION 8

9756 Vacuum stability tests on solventless double base powders containing various stabilizers, by Philip Hayward. Nov. 20, 1945. OSRD 5959.

C

9760 Closed bomb burning of high explosives and propellants; final report by S. J. Jacobs and W. B. Buck. Jan. 22, 1946. OSRD 6329.

C

9757 X-ray studies of compounds related to RDX, by Robert B. Corey. July 14, 1944. C

9761 Extrusion of ballistite at the ERL; final report by J. E. Ablard. Aug. 11, 1944. OSRD 4007.

C

CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa. OEMsr-11 Project OD-04.

9758 Beeswax substitutes for phlegmatization of cyclonite; progress report by D. P. MacDougall. Jan. 10, 1942. B-150. OSRD 313. C

9763 Microwave tube destruction; final report by M. A. Paul. Aug. 20, 1943. OSRD 1723.

C

9759 Beeswax substitutes for phlegmatization of cyclonite; progress report no. 2 by D. P. MacDougall. Feb. 23, 1942. B-187. OSRD 397. R

9764 The preparation and properties of cast double base propellants; final report by B. P. Dailey, J. F. Kincaid and H. M. Shuey. Jan. 15, 1946. OSRD 5577.

C

CARNEGIE INSTITUTE OF TECHNOLOGY, Pittsburgh, Pa. OEMsr-202 Projects AC-75, AN-1, CE-32, NO-B10, NO-E38, NO-B40, NO-99, NO-110, NO-144, NO-151, NO-167, NO-199, NO-201, NO-211, NO-212, NO-213, NO-231, NO-232, NS-125, NS-309, OD-01, OD-02, OD-03, OD-04, OD-05, OD-14, OD-31, OD-58, OD-103, OD-152, SC-41, SOS-10. See also Division 2, Carnegie Institute of Technology, OEMsr-950; Division 3, George Washington University, OEMsr-273; Division 8, Carnegie Institute of Technology, OEMsr-11; E. I. du Pont de Nemours and Company, Inc., OEMsr-828; and Monsanto Chemical Company, OEMsr-639.

9765 Study of the British continuous tetryl process; final report by R. C. Elderfield. June 25, 1942. B-278. OSRD 661.

C

9766 The techniques of preparation of solvent extruded composite propellants; final report by T. F. Anderson. Jan. 15, 1946. OSRD-5579.

C

9767 Underwater penetration by small-scale shaped charges; final report by E. P. Meibohm and M. A. Paul. Oct. 24, 1945. OSRD 5569.

C

9768 The action of cavity charges, by D. P. MacDougall. Mar. 29, 1943. Abstract of OSRD 1338.

C

DIVISION 8

A CATALOG OF OSRD REPORTS

- | | |
|---|---|
| 9769 Adiabatic ignition; progress report by F. H. Westheimer. Feb. 28, 1945.
OSRD 4758. | 9778 Cast perchlorate propellants based on thermosetting high polymers; progress report by H. F. Hardman and G. B. DeLaMater. Dec. 19, 1945.
OSRD 5582. |
| 9771 The application of flash photography to the study of explosion phenomena; progress report by E. M. Boggs, R. J. Brumbaugh and G. H. Messerly. Jan. 28, 1946.
OSRD 5616. | 9779 Chemical stability research, by Russell McGill. [Dec. 15, 1942] |
| 9772 Ballistic properties of Composite Propellants 404 and 492; progress report by R. W. Broge. May 9, 1945.
OSRD 5043. | 9780 Chemical stability testing and analysis, by Russell McGill. [Sept. 15, 1942] |
| 9773 "Beano" spherical grenade, by D. P. MacDougall, L. H. Farinholt, E. H. Eyster, A. A. Layton and L. Goodman. [Nov. 15, 1943-Aug. 15, 1944] | 9782 Comments on the talks by Dr. C. O. Davis and Dr. M. A. Cook at the Technical Meeting of the Joint Committee on Shaped Charges, March 29, 1943, by J. G. Kirkwood, G. B. Kistiakowsky, D. P. MacDougall, G. H. Messerly and M. A. Paul. |
| 9774 Beeswax substitutes for phlegmatization of cyclonite; progress report no. 3 by D. P. MacDougall. Apr. 4, 1942. B-218. OSRD 486. | 9783 A comparison of cyclitol, pentolite and ednatol. Memorandum, by D. P. MacDougall. Mar. 8, 1943. Progress report, by E. H. Eyster and M. A. Paul. Apr. 24, 1943. OSRD 1364. |
| 9775 Behavior of the jet from a cavity charge, by D. P. MacDougall, G. H. Messerly and M. A. Paul. June 21, 1943. | 9784 A comparison of Dithekite and 35-65 benzene-nitrogen tetroxide, by D. P. MacDougall. Jan. 13, 1942. |
| 9777 Bullet impact tests of demolition packs and reinforced detonating cord; progress report by William H. Rogers, Jr. Jan. 18, 1946. OSRD 5747. | 9785 Composition B (Cyclitol); progress report by Eugene H. Eyster and M. A. Paul. Jan. 29, 1943. OSRD 1167. |

A CATALOG OF OSRD REPORTS

DIVISION 8

9786	The compression strength of composite propellants; progress report by F. A. Long. Aug. 31, 1943. OSRD 1758.	C	9793	Design of a pilot plant for the production of cast perchlorate propellant; progress report by J. E. Ablard. Nov 8, 1945. OSRD 5584.	C
9787	Compression strength of grains of composite propellant 218-B prepared at the Monsanto pilot plant; progress report by F. A. Long. Jan. 1, 1943. OSRD 3076.	C	9794	The design of explosive streamers; progress report by J. H. Lum and J. K. Bragg. May 5, 1943. OSRD-1382.	C
9788	Construction and operation of the rotating mirror camera; progress report by S. J. Jacobs. Jan. 2, 1946. OSRD 5614.	C	9796	Determination of water in RDX and Composition B; progress report by Eugene H. Eyster and M. A. Paul. Mar. 2, 1943. OSRD 1234.	C
9789	Controlled fragmentation, by D. P. MacDougall. [Oct. 15, 1942]	C	9798	The development and properties of large, long burning grains of composite propellants; progress report by F. A. Long. Mar. 7, 1944. OSRD 3325.	C
9790	Controlled fragmentation of high-capacity munitions, by D. P. MacDougall, E. H. Eyster and A. A. Layton. [Apr. 15-Oct. 15, 1944]	C	9799	Development and testing of composite rocket propellants; progress report by Louis P. Hammett. Sept. 7, 1942. B-354. OSRD 857.	C
9791	Controlled fragmentation of thin cased munitions; progress report by Eugene H. Eyster. Jan. 15, 1946. OSRD-5630.	C	9800	Development and testing of composite rocket propellants; progress reports by Louis P. Hammett and F. A. Long. [Sept. 15, 1942-Apr. 15, 1944]	C
9792	Dependence of fragment velocity and fragment penetration on charge-weight ratio of shells; progress report by R. W. Drake. Dec. 21, 1945. OSRD 5621.	R	9801	Development and testing of large charges for special jet propulsion devices, by F. A. Long and J. E. Ablard. [Jan. 15-Aug. 15, 1945]	C

DIVISION 8

A CATALOG OF OSRD REPORTS

- | | |
|--|--|
| 9802 Development and testing of large grains of composite propellant, by F. A. Long. [Sept. 15-Dec. 15, 1944] C | 9809 The effect of heat on confined explosives, by D. P. MacDougall and G. H. Messerly. [Feb. 15-June 15, 1944] C |
| 9802a Development and testing of liquid explosives for mine clearing; progress report by Howard J. Fisher. Jan. 28, 1946. OSRD 5749. C | 9810 The effect of heat on confined explosives. I. The M-35 five-inch projectile. II. Various pure explosives and explosive mixtures; progress report by H. A. Strecker and E. C. Broge. July 28, 1944. OSRD 3956. C |
| 9803 Development and testing of molded composite rocket propellants, by F. A. Long. [May 15-Dec. 15, 1944] C | 9811 The effect of particle size on the detonating properties of ammonium picrate, by D. P. MacDougall and E. H. Eyster. [Oct. 15, 1943] C |
| 9804 Development and testing of rocket propellants, by F. A. Long, J. E. Ablard, J. F. Kincaid, B. P. Dailey, P. Zemany and G. G. Parkinson. [Jan. 15-Aug. 15, 1945] C | 9813 The effect of unsymmetrical cone alignment on the jet from a cavity charge; progress report by M. A. Paul. Aug. 5, 1943. OSRD 1681. C |
| 9805 Development and testing of rocket propellants other than double base powders; progress report by Louis P. Hammett. Mar. 6, 1942. B-199. OSRD 438. C | 9814 The effective diameter of the jet from a cavity charge; progress report by M. A. Paul. Aug. 5, 1943. OSRD 1679. C |
| 9806 Development of plastic propellants; progress report by F. P. Price. Oct. 30, 1945. OSRD 5581. C | 9815 The effects of various aberrations on the performance of cavity charges; progress report by M. A. Paul, E. P. Meibohm and H. L. Bachrach. Dec. 3, 1945. OSRD 5599. C |
| 9807 Discussion of papers presented by Dr. Seegar, Dr. MacDougall and Dr. Messerly; comments by M. A. Cook, C. O. Davis, W. B. DeLong and L. B. Seely. [194-] R | 9816 Elimination of the volume change of ammonium nitrate at 32°C, by J. F. Kincaid. [Oct. 15, 1942-Mar. 15, 1943] C |

A CATALOG OF OSRD REPORTS

DIVISION 8

- | | |
|---|---|
| <p>9817 Emulsifiers for HBX and HBX-1; progress report by F. H. Westheimer and John W. Dawson. Nov. 20, 1945. OSRD-5597. C</p> <p>9818 The estimation of detonation pressure from the shock wave velocity in lead; progress report by Elizabeth M. Boggs, G. H. Messerly and Elijah Swift, jr. Dec. 14, 1945. OSRD 5612. C</p> <p>9819 Evaluation of explosives submitted to the Explosives Research Laboratory in 1941; progress report by Saul Solloway. Aug. 25, 1942. B-329. OSRD 830. R</p> <p>9820 Evaluation of Fivonite as a high explosive; progress report by Eugene H. Eyster and Duncan P. MacDougall. Nov. 5, 1945. OSRD 5627. C</p> <p>9821 Evaluation of nitrodicyandiamidine (NDCD) as a component of propellants, by J. F. Kincaid. [Dec. 15, 1942] C</p> <p>9822 Experimental studies of cone collapse and jet formation; progress reports by H. Linschitz and M. A. Paul. Part I. Recovery of cones from low-powered charges. Nov. 29, 1943. OSRD 2070. Part II. The mass contributed to the jet. Nov. 29, 1943. OSRD 2072. Part III. Further studies of jet mass origin and slug structure. Dec. 20, 1945. OSRD 5602. C</p> | <p>9823 Experimental study of factors affecting the stability and consolidation of cast propellant; progress report by F. H. Westheimer and Edward H. Specht. Dec. 12, 1945. OSRD 5593. C</p> <p>9824 Experimental work on materials and design for nozzles for composite propellants; progress report by L. Axelrod. Aug. 22, 1945. OSRD-5131. R</p> <p>9825 Explosive compositions, by D. P. MacDougall, E. M. Eyster and C. A. Weltman. [June 15, 1943-Aug. 15, 1945] C</p> <p>9826 Extrusion of a special British Cordite sample, by R. H. Kallenberger and J. E. Abdalard. Aug. 31, 1943. OSRD-1754. C</p> <p>9827 Extrusion of Cordite at ERL; progress report by J. E. Abdalard. Apr. 10, 1943. OSRD-1336. C</p> <p>9828 Extrusion of double base propellants, by J. E. Abdalard. [Nov. 15, 1942-May 15, 1943] C</p> <p>9829 Flash photography, by D. P. MacDougall and G. H. Messerly. Shell case velocities from flash photographs of the expanding shell. [July 15, 1944] Studies on cased and uncased charges, and actinic tests on flash tubes. [May 15, 1944] Studies on liquid explosives and on cased and uncased charges. [Apr. 15, 1944] C</p> |
|---|---|

DIVISION 8

A CATALOG OF OSRD REPORTS

- | | | | |
|------|---|------|--|
| 9830 | Flash photography of cased charges, by D. P. MacDougall and G. H. Messerly. [Sept. 15, 1943-Mar 15, 1944] C | 9836 | Fragment velocity and panel penetration. A comparison of Haleite and Ednatol with service filling; progress reports by R. W. Drake. Part I. 37 mm. M63, 3" M42A1 and 90 mm. M71 projectiles. Oct. 30, 1943. OSRD 1964. Part II. 40 mm. Mk. II T/L/ Projectiles. Oct. 30, 1943. OSRD 1965. Part III. 90 mm. M71E2 projectiles. Nov. 29, 1943. OSRD 2071. Part IV. 75 mm. M48 and M48E2 projectiles. Dec. 18, 1943. OSRD 3022. Part V. M49A2 60 mm. mortar shell. Jan. 3, 1944. OSRD 3079. Part VI. M54 37 mm. projectile. Jan. 3, 1944. OSRD 3079. Part VII. 20 mm. Mk. I. H.E.I. projectiles. Oct. 3, 1945. OSRD 5572. C |
| 9831 | The flash photography of detonating explosives; progress report by G. H. Messerly. June 3, 1943. OSRD 1488. C | 9837 | Fragment velocity and panel penetration - M71 90 mm. shell, TNT loaded; fuse fragments, base fragments, nose-wall fragments; progress report by R. W. Drake. Oct. 3, 1945. OSRD 5571. Supplement to OSRD 1964. C |
| 9832 | The flow and friction properties of composite propellant 218 and similar compositions; progress report by Walter Kauzmann. Feb. 14, 1944. OSRD 3281. C | 9839 | Fragment velocity camera, by D. P. MacDougall. [Sept. 15, 1942] C |
| 9833 | The formation of methane during the cooling of powder gases in a closed bomb, by J. F. Kincaid. [Feb. 15, 1943] C | 9840 | Fragment velocity retardation, target penetration and mass distribution, by D. P. MacDougall, R. W. Drake and G. H. Messerly. [June 15, 1944-Mar. 15, 1945] C |
| 9834 | Fragment velocity and fragmentation of 3"/50 (Mk. 27 Mod. 3) A.A. shell loaded with TNT and with Composition A3 and cavitated for Mk. 45, Mk. 54 and Mk. 58 fuzes, by R. W. Drake. June 26, 27 and Sept. 4, 1945. OSRD nos. 5266, 5267, 5531. Title varies. C | 9842 | I. Further experimental work on nozzles for experimental testing of solid propellants. II. Motors for routine testing of rocket propellants; progress report by L. Axelrod. Jan. 17, 1946. OSRD 5583. C |
| 9835 | Fragment velocity and fragmentation of 3"/50 Mk. 29 Mod. 3 AP shell, loaded with Composition A3 and Explosive D, by R. W. Drake. June 15, 1945. OSRD 5213. C | | |

A CATALOG OF OSRD REPORTS

DIVISION 8

9843	The gas evolution from DBX; progress report by Amos Turk and Earl Hellerstein. Feb. 19, 1945. OSRD 4715. C	9850	Improvements in the performance of cavity charges; progress report by M. A. Paul and J. F. Lemons. Apr. 3, 1944. OSRD 3443. C
9844	The gas evolution from Minol; progress report by John W. Dawson and F. H. Westheimer. Nov. 8, 1945. OSRD 5595. C	9852	Index to N.D.R.C. interim reports and progress reports on shaped charges, by M. A. Paul. [Aug. 15, 1944] C
9845	The gas evolution from TNT-Aluminum; progress report by Amos Turk. Nov. 14, 1944. OSRD 4339. C	9853	Inhibiting flash in guns, by J. F. Kincaid. [Apr 15, 1943] C
9846	The gas evolution from Torpex; progress report by F. H. Westheimer and John W. Dawson. Sept. 1, 1944. OSRD 4085. C	9854	Inhibition of nitroglycerin diffusion in coatings for restricting burning of rocket propellants; progress report by Rufus W. Lumry. Nov. 5, 1943. OSRD 1995. C
9847	The grinding, classification, and particle size control of crystalline ingredients for solvent-extruded composite propellants; progress report by R. C. C. St. George, jr. Oct. 24, 1945. OSRD 5578. C	9855	Initiation of detonation in TNT, by D. P. MacDougall. [194-] C
9848	Heats of combustion, heats of explosion, and burning rates of ammonium picrate-potassium nitrate composite propellants; progress report by R. W. Broge. Nov. 15, 1945. OSRD 5585. C	9857	Initiation studies on solid explosives; progress report by Elizabeth M. Boggs, G. H. Messerly and H. A. Strecker. Dec. 14, 1945. OSRD 5617. C
9849	High desensitized cast explosives; progress report by Eugene H. Eyster. Jan. 22, 1946. OSRD 5628. C	9858	Introduction to explosives, by George B. Kistiakowsky. Aug. 2, 1945 OSRD 5401. C
		9859	Investigation on cast double base propellants, by F. H. Westheimer. [Feb. 15-Aug. 15, 1945] Aging effect, by E. Specht and E. Hellerstein. [Apr. 15 1945] Studies on various types of casting powder, by E. Specht and E. Hellerstein. [Mar. 15, 1945] C

DIVISION 6

A CATALOG OF OSRD REPORTS

9860	Investigations on castable perchlorate propellants; preliminary report. Jan. 10, 1945.	C	9869	Methods of physical testing; progress report no. 1 by Duncan P. MacDougall. Aug. 11, 1942. B-307. OSRD 804.	C
9861	Kinetics of decomposition of various explosives; progress report by Hyman Henkin. July 4, 1944. OSRD 3856.	C	9871	Microwave tube destruction; progress reports by Duncan P. MacDougall and M. A. Paul. Dec. 9, 1942 and Mar. 23, 1943. B-460. OSRD nos. 1122, 1287.	C
9862	Mark 29 device, by D. P. MacDougall. [Dec. 15, 1942 and Feb. 15, 1943]	C	9872	Momentum and kinetic energy of the shaped charge jet; progress report by M. A. Paul and J. F. Lemons. Oct. 23, 1945. OSRD 5570.	C
9864	Measurement of underwater explosion pressures II; progress report by E. B. Wilson, jr. July 21, 1942. B-301. OSRD 753.	C	9873	Optical studies of coned charges, by D. P. MacDougall. [Sept. 15, 1942]	C
9865	The mechanism of action of cavity charges; progress report by George B. Kistiakowsky, Duncan P. MacDougall and G. H. Messerly. Apr. 12, 1943. OSRD 1338.	C	9874	Optical studies of detonation rates, by D. P. MacDougall and G. H. Messerly. [Oct. 15, 1942-Aug. 15, 1943]	C
9866	The mechanism of the formation of RDX; progress report by F. H. Westheimer and Edward Segel. May 15, 1944.	C	9875	Optical studies of detonations, by D. P. MacDougall and G. H. Messerly. [Oct. 15, 1943-June 15, 1945] The detonation velocity of TNT, by M. Hurwitz and H. A. Strecker. [June 15, 1945] The nature of the radiation emitted by detonating explosives, by S. J. Jacobs, T. P. Cotter and R. J. Brumbaugh. [May 15, 1945] Rate of detonation studies with the rotating drum camera, by A. Evernden, W. K. Hall, M. D. Hurwitz and G. Downey. [May 15, June 15 and July 15, 1944]	C
9867	Method of loading tracers, by L. P. Hammett and F. A. Long. [June 15-Sept. 15, 1943]	C			
9868	A method of measuring impact strengths, by Robert H. Kaltenberger. May 22, 1945.	C			

A CATALOG OF OSRD REPORTS

DIVISION 8

- | | |
|---|---|
| <p>9876 Optical studies of strong shock waves; progress report by Elizabeth M. Boggs and M. D. Hurwitz. Jan. 15, 1946. OSRD 5613. C</p> <p>9878 Panel fragmentation trials of various 81 mm. mortar shells; progress report by R. W. Drake. Dec. 3, 1945. OSRD 5620. R</p> <p>9879 Penetration of steel targets by linear charges; progress report by M. A. Paul. May 4, 1943. OSRD 1383. C</p> <p>9880 Penetration of steel targets in air by small-scale cavity charges; progress report by M. A. Paul. Sept. 29, 1943. OSRD 1861. C</p> <p>9881 PEP-2 (PETN plastic explosive); progress report by Eugene H. Eyster and M. A. Paul. Feb. 11, 1944. OSRD-3240. C</p> <p>9882 Phlegmatization of RDX, by D. P. MacDougall. [Sept. 15, 1942] C</p> <p>9883 The physical properties of smokeless powder, by J. F. Kincaid. [Feb. 15, 1943] C</p> <p>9884 Physical testing, by D. P. MacDougall, E. H. Eyster and M. A. Paul. [Jan. 15, 1943-July 15, 1945] C</p> | <p>9885 Physical testing of explosives, by D. P. MacDougall. [Oct. 15, 1942] C</p> <p>9886 Physical testing of explosives; progress reports by Eugene H. Eyster, William H. Rogers, jr., R. F. Davis and L. C. Smith. Part I. The sensitivity of explosives to bullet impact. Nov. 20, 1945. OSRD 5745. Part II. Sensitivity studies with the drop-weight impact machine. Dec. 27, 1945. OSRD 5744. Part III. Miscellaneous sensitivity tests; performance tests. Dec. 27, 1945. OSRD 5746. C</p> <p>9887 Pit fragmentation studies, by J. F. Lemons and W. K. Hall. Composition A compared with service loadings in 3"/50 A.P. and A.A. projectiles. [May 15 and June 15, 1945] Evaluation of TNT-D2 and Picratol in comparison with TNT. [July 15, 1945] Explosive D and Composition A in the Navy Mk. 29-2 3" A.P. projectile. [Apr. 15, 1945] Mk. 31-1 3" A.A. projectile with Mk. 58 fuze. [Aug. 15, 1945] C</p> <p>9888 Point-initiating fuzes for shaped charge weapons; progress report by J. F. Lemons and M. A. Paul. Jan. 3, 1946. OSRD 5601. C</p> <p>9889 The preparation and properties of experimental powders, by J. F. Kincaid, B. P. Dailey, R. H. Kallenberger and F. H. Westheimer. [June 15, 1943-Aug. 15, 1945] C</p> |
|---|---|

DIVISION 8

A CATALOG OF OSRD REPORTS

9890	Preparation and properties of explosives, by James Cason and Russell McGill. [Oct. 15, 1942-Feb. 15, 1944] Preparation of cyclo tetramethylenetetrinitramine (HMX); monthly summary report by John W. Dawson, Russell McGill and Amos Turk. Aug. 15, 1943.	C	9898	Preparation of explosives, by Russell McGill. [Sept. 15, 1942]	C
9891	Preparation and properties of Fivonite; progress report by Amos Turk. Sept. 3, 1943. OSRD 1767.	C	9899	Preparation of HMX, by Russell McGill. [Dec. 15, 1942 and Jan. 15, 1943]	C
9892	The preparation and properties of plastic high explosives; progress report by Eugene H. Eyster. Jan. 15, 1946 OSRD 5631.	C	9900	Preparation of plastic explosive, by D. P. MacDougall. [194-]	C
9894	The preparation and properties of solvent extruded composite propellants, by L. P. Hammett, J. I. Kincaid, B. P. Dailey, E. E. Mendenhall and G. G. Parkinson. [Sept. 15, 1943-Dec. 15, 1944]	C	9901	The properties and applications of EJ powders; progress report by R. A. Ruehrwein, Rufus W. Lumry and J. F. Kincaid. Sept. 5, 1944. OSRD 4053.	C
9895	The preparation and properties of solvent extruded composite propellants; progress report by G. G. Parkinson, B. P. Dailey and J. F. Kincaid. Jan. 17, 1946. OSRD 5576.	C	9902	Purge pellet work at the Explosives Laboratory; progress report by F. A. Long. Jan. 27, 1944. OSRD 3184.	R
9896	Preparation and testing of dry extruded rocket propellants, by J. E. Ablard. [May 15 and July 15, 1944]	C	9903	The radiography of explosive materials; progress report by O. E. A. Belduan. Nov. 5, 1945. OSRD 5575.	C
9897	The preparation of experimental powders, by J. F. Kincaid. [Mar. 15 and May 15, 1943]	C	9904	The rate of burning of a self-combustible material, by Walter Kauzmann. [194-]	C
			9905	The rate of detonation of various explosive compounds; progress reports by G. H. Messerly and M. D. Hurwitz. Feb. 22, 1943 and Jan. 15, 1946. OSRD nos. 1219, 5611. Title varies.	C
			9907	Rates of burning of high explosives, by D. P. MacDougall. [Aug. 15, 1943]	C

A CATALOG OF OSRD REPORTS

DIVISION 8

9908	Rates of burning of propellants, by J. F. Kincaid. [July 15, 1943]	C	9917	The sensitivity of various General Purpose Bombs and simulated rocket motors to projectile impact; progress report by William H. Rogers, jr. and Eugene H. Eyster. May 2, 1945. OSRD 5024.	C
9909	Rates of deflagration of high explosives, by D. P. MacDougall. [Sept. 15, 1942]	C	9918	The sensitivity to bullet impact of aerial depth bombs loaded with TNT and with various HBX's; progress report by William H. Rogers, jr. and Eugene H. Eyster. Jan. 15, 1946. OSRD 5748.	C
9910	RDX compositions, by D. P. MacDougall. [Dec. 15, 1942-May 15, 1943]	C	9919	The separation of liquid from propellants, by H. Salwin. Cycling experiments. [Mar. 15, 1945] The separation of liquid in 78° surveillance. [Dec. 15, 1944 and Jan. 15, 1945]	C
9911	Research on special gun propellants, by J. F. Kincaid. [Sept. 15, 1942]	C	9920	The separation of nitroglycerine from double base powders; progress reports by F. H. Westheimer. Preliminary literature survey, Mar. 9, 1945. OSRD 4791. Revised literature survey, Nov. 1, 1945. OSRD 5591.	C
9912	Rifle bullet tests on composite propellant 218B and on ballistite; progress report by Henry Posner, jr. Aug. 12, 1943. OSRD 1706.	C	9921	Shaped charge bombs; progress report by J. F. Lemons, E. J. Huber and M. A. Paul. Dec. 20, 1945. OSRD 5600.	C
9913	A rotating drum camera for the optical study of detonations; progress report by G. H. Messerly. July 8, 1942. B-285. OSRD 682.	C	9922	Shaped charge boosters; progress report by Leon Goodman. Dec. 26, 1945. OSRD 5629.	C
9914	The screw extrusion of composite propellants; progress report by Walter Kauzmann. Feb. 14, 1944. OSRD 3282.	C	9923	Shaped detonation waves; progress report by S. J. Jacobs and Robert J. Grabenstetter. Jan. 28, 1946. OSRD 5603.	C
9915	Semi-explosive plasticizers for flashless propellants, by F. H. Westheimer. [Oct. 15, 1944-Jan. 15, 1945]	C			
9916	Sensitivity and power tests, by D. P. MacDougall. [Sept. 15, 1942]	C			

DIVISION 8

A CATALOG OF OSRD REPORTS

- | | |
|--|--|
| <p>9924 Shock wave studies with the rotating drum camera, by D. P. MacDougall, E. M. Boggs, G. H. Messerly, W. K. Hall and M. D. Hurwitz. [May 15, June 15 and July 15, 1944] Shock wave velocity and pressure from spherical charges of Torpex II. [Mar. 15, 1945] Shock wave velocity and pressure off a spherical charge. [Aug. 15, 1944] C</p> <p>9926 Specific impulse and burning rates of composite propellant 218-B and 218; progress report by Charles G. Sage. July 20, 1943. OSRD 1627. C</p> <p>9927 Specifications of the physical properties of desensitizing waxes for use in explosives; progress report by Eugene H. Eyster. Jan. 2, 1946. OSRD 5633. C</p> <p>9929 Stability of PETN and Pentolite, by James Cason and Russell McGill. [Oct. 15, 1942-Nov. 15, 1943] C</p> <p>9931 Stability research, by Russell McGill. [Jan. 15, 1943] C</p> <p>9932 The state of explosion product gases deduced from flash photographs of expanding shell cases, by D. P. MacDougall, E. M. Boggs and G. H. Messerly. [Dec. 15, 1943 and Jan. 15, 1944] C</p> | <p>9933 Steel target penetration in air by small-scale cavity charges; progress report no. 2 by E. J. Huber, J. F. Lemons and M. A. Paul. Jan. 15, 1946. OSRD 5604. C</p> <p>9934 Studies of a shaped charge assisted S.A.P. bomb; progress report by L. Paul Sparer. Jan. 18, 1946. OSRD-5605. C</p> <p>9935 Studies of shaped charges, by D. P. MacDougall, M. A. Paul, E. H. Eyster and G. H. Messerly. [Oct. 15, 1942-Aug. 15, 1945] C</p> <p>9936 Studies of shaped charges with the rotating drum camera; progress report by M. D. Hurwitz and H. A. Streckler. Jan. 15, 1946. OSRD-5615. C</p> <p>9937 Studies of shell fragment mass distribution; progress reports by M. A. Paul and W. K. Hall. Part I. Navy 3"/50 A.A. projectiles, Mk. 27-3 and Mk. 31-1. Jan. 5, 1946. OSRD 5607. Part II. The Mk. 29-2 3", 50 A.P. projectile with Explosive D and with Composition A-3. Jan. 28, 1946. OSRD 5606. C</p> <p>9938 Studies of shell fragment mass distribution. Part III. Effect of booster size in the Mk. 27-3 3", 50 A.A. projectile loaded with cast TNT; progress report by M. A. Paul and W. K. Hall. Jan. 22, 1946. OSRD 5608. R</p> <p>9939 Studies of shell fragmentation, by D. P. MacDougall, R. W. Drake and G. H. Messerly. [Nov. 15, 1942-Aug. 15, 1945] C</p> |
|--|--|

A CATALOG OF OSRD REPORTS

DIVISION 8

- | | |
|--|---|
| <p>9940 Studies of the desensitization of Torpex-2 and of the sensitivity of HBX; progress report by Eugene H. Eyster. Jan. 2, 1946. OSRD 5743. C</p> <p>9941 Studies of the preparation, stabilization and testing of explosives, by F. H. Westheimer. [Mar. 15, 1944-Aug. 15, 1945] C</p> <p>9942 Studies of the sensitivity of explosives to bullet impact; progress report by E. H. Eyster and W. H. Rogers. Dec. 15. 1943. OSRD 3149. C</p> <p>9943 Studies of the stability of propellants, by F. H. Westheimer. [June 15, July 15 and Aug. 15, 1945] C</p> <p>9946 Study of ethyltrimethylol-methane trinitrate (EMMET), by James Cason. [Oct. 15, 1942] C</p> <p>9947 Study of RDX compositions, by D. P. MacDougall. [Oct. 15 and Nov. 15, 1942] C</p> <p>9948 Study of tetramethylolcyclopentanone tetranitrate (Fivonite), by James Cason. [Oct. 15, 1942] C</p> <p>9949 Substitutes for Albarite; progress report by F. H. Westheimer and R. H. Kallenberger. Dec. 5, 1945. OSRD 5592. C</p> | <p>9950 Surveillance of high explosives; progress report by Harold Salwin and F. H. Westheimer. Nov. 8, 1945. OSRD 5596. C</p> <p>9951 Surveillance of propellants; progress report by F. H. Westheimer and Harold Salwin. Oct. 30, 1945. OSRD-5594. C</p> <p>9952 Surveillance testing of high explosives; progress report by Hyman Henkin. Oct. 23, 1943. OSRD 1947. C</p> <p>9953 Surveillance testing of propellant explosives; progress report by Hyman Henkin. Sept. 5, 1944. OSRD 4103. C</p> <p>9954 Survey of investigations on new propellants for rockets and other jet propulsion devices, by Louis P. Hammett. Aug. 18, 1945. OSRD 5463. C</p> <p>9955 Target penetration by rotating cavity charges; progress report by M. A. Paul. Nov. 5, 1945. OSRD 5598. C</p> <p>9956 Target penetration by the jet from a rotating cone charge; progress reports by M. A. Paul. Aug. 5, 1943 and July 10, 1944. OSRD nos. 1680, 3874. C</p> |
|--|---|

DIVISION 8

A CATALOG OF OSRD REPORTS

- | | |
|--|---|
| <p>9957 Techniques of preparation of cast double base powder, restrictive container fabrication, and firing of cast double base charges, progress report by H. M. Shuey and R. H. Martin. Dec. 26, 1945. OSRD 5580. C</p> <p>9958 Test of methods of mounting grains of composite propellant 218B in a rocket motor; progress report by Henry Posner, jr. Aug. 12, 1943. OSRD 1708. C</p> <p>9959 Tetramethylolcyclopentanone (Fivonite), by Russell McGill. [Dec. 15, 1942] C</p> <p>9960 Theoretical and experimental studies on the shock wave close to a long detonating cylinder of explosive, by D. P. MacDougall, E. M. Boggs and G. H. Messerly. [Apr. 15, 1944] C</p> <p>9961 Theoretical studies of the expanding shell case, by D. P. MacDougall, E. M. Boggs and G. H. Messerly. [Apr. 15 and May 15, 1944] C</p> <p>9962 The theory of adiabatic ignition tests as applied to propellant powders, by F. H. Westheimer. [May 15, 1941] C</p> <p>9963 The thermal stability of dicyandiamide and melamine compositions, by J. F. Kincaid. [Feb. 15, 1943] C</p> | <p>9964 Thermal stability of NH₄NO₃-nitrocellulose mixtures, by J. F. Kincaid. [Nov. 15, Dec. 15, 1942 and Feb. 15, 1943] C</p> <p>9965 Thermochemical computations on propellants, by J. F. Kincaid. [Oct. 15 and Nov. 15, 1942] C</p> <p>9966 Thermochemical examination of a number of commercial and experimental propellants, by J. F. Kincaid. [Apr. 15, 1943] C</p> <p>9970 Tracer research at the ERL; progress report by Walter Kauzmann. Feb. 14, 1944. OSRD 3283. C</p> <p>9972 The use of General Motors capacitance pressure gages for internal ballistics measurements on rocket propellants; progress report by Charles G. Sage. Nov. 1, 1945. OSRD 5750. C</p> <p>9975 The viscosity of explosive slurries, progress reports by E. H. Fyster, A. A. Layton and M. A. Paul. Part I. Experimental methods and results. May 22, 1944. OSRD 3663. Part II. Experimental methods; determination of stress-rate curves. Nov. 9, 1945. OSRD 5625. Part III. The improvement of explosive slurries by surface-active agents. Nov. 9, 1945. OSRD 5625. C</p> |
|--|---|

A CATALOG OF OSRD REPORTS

DIVISION 8

9976 Waxes for HBX; progress report by F. H. Westheimer. Oct. 3, 1945. OSRD 5573.

C

9989 [Composition of the "white substance" (WS)] by R. C. Elderfield. [May 3, 1944]

C

C. F. SERIES (Controlled Fragmentation and Shaped Charges).

9977 Controlled fragmentation and shaped charges; interim reports compiled by [George B. Kistiakowsky] Sept. 15, 1942-Aug. 15, 1943. Report nos. CF-(1-12). C

9990 Controlled decomposition of nitrocellulose, by R. C. Elderfield. [Sept. 15, 1943-June 15, 1944]

C

UNIVERSITY OF CHICAGO, Chicago,
Ill. OEMsr-875
Project NO-117.

9991 Studies of thermal stability tests, by R. C. Elderfield. [Feb. 15, 1943-May 15, 1944]

C

9981 The kinetics of nitration; progress reports by F. H. Westheimer, Edward Segel and Richard Schramm. Mar. 15-Sept. 15, 1943. C

9992 [Work done at Columbia University under contract no. B-126] by R. C. Elderfield, L. S. Birnbaum, A. Myerson, L. F. Halley, D. F. Bongioni and D. O. Hoffman. Monthly progress reports, Oct. 15, 1941-Nov. 15, 1943. Quarterly report, Apr. 15, 1942. C

9983 The oxynitration of benzene; progress reports by F. H. Westheimer, Edward Segel and Richard Schramm. Oct. 15, 1943-Feb. 12, 1944. C

COLUMBIA UNIVERSITY, New York,
N. Y. OEMsr-224
Projects NO-99, OD-01, OD-4.

COLUMBIA UNIVERSITY, New York,
N. Y. OEMsr-137
Projects NO-B10, NO-B38, NO-99, NO-199, NO-201, OD-01, OD-04, OD-1, OD-7, OD-9, OD-10, OD-58, OD-103, OD-126, OD-127.

9993 Preparation of methylol derivatives from various aldehydes and ketones; final report by Arthur C. Cope and Robert C. Elderfield. [Dec. 1942] C

9988 I. The vacuum stability and Bergmann-Junk tests as applied to PETN and Pentolite. II. The vacuum stability test as applied to nitramines; final report by Robert C. Elderfield. Aug. 31, 1944. C

9995 [Work done at Columbia University under contract no. E-194] progress reports by R. C. Elderfield, L. F. Halley and Arthur C. Cope. Dec. 15, 1941-Nov. 1, 1942. C

DIVISION 8

A CATALOG OF OSRD REPORTS

COLUMBIA UNIVERSITY, New York,
N. Y. OEMsr-305
Projects OD-9, OD-10.

9997 Work on kinetics of nitration, by Louis P. Hammett.
Jan. 15-June 15, 1942. C

CORNELL UNIVERSITY, Ithaca, N. Y.
NDcrc-23
Projects CWS-4, OD-5, OD-6,
OD-12.

10000 Preparation of RDX; [final report] by John R. Johnson.
Oct. 27, 1941. B-97. OSRD-159. C

CO. NELL UNIVERSITY, Ithaca, N. Y.
OEMsr-193
Projects NO-B10, NO-135, OD-5, OD-6, OD-12, OD-109.

10001 The chemistry of DINA and related compounds; [final report] by Alfred T. Blomquist. May 15, 1945. C

10003 [Investigations carried out in the Cornell Laboratory]
final report by Alfred T. Blomquist. Sept. 15, 1942. C

10004 Attempted nitrations of octamethylenetetramine; progress report by Alfred T. Blomquist. Apr. 15, 1944. C

10006 Crystal forms and sensitivity of RDX and HMX; progress report by John R. Johnson. Apr. 15, 1942. C

10007 Crystallographic examination of NENO, by Alfred T. Blomquist. Nov. 26, 1943. C

10008 Crystallographic studies of compounds related to RDX and HMX; progress reports by Alfred T. Blomquist. Jan. 15-May 15, 1943. C

10009 Crystallographic studies of compounds related to RDX and HMX; progress report by Alfred T. Blomquist. Sept. 16, 1943. OSRD 1803. C

10010 Crystallographic studies of RDX and HMX; progress report by John R. Johnson. May 15, 1942. C

10011 Crystallographic studies of RDX and related compounds; progress reports by John R. Johnson and Alfred T. Blomquist. Mar. 15, 1942 and Feb. 15, 1943. C

10013 The crystallography of delta-HMX, by A. T. Blomquist. Nov. 4, 1942. C

10014 The crystallography of ethylenedinitramine (EDNA), by A. T. Blomquist. [Mar. 15 and May 15, 1943] C

10015 Crystals forms of HMX, by John R. Johnson. May 14, 1942. C

10016 Examination of chromatographically purified DiPEHN, by A. T. Blomquist. [Jan. 15, 1944] C

A CATALOG OF OSRD REPORTS

DIVISION 8

- | | |
|---|---|
| <p>10018 The microscopical analysis of primer compositions, by A. T. Blomquist. Apr. 15 and [May 15, 1944] C</p> <p>10019 The microscopical examination of explosives, by A. T. Blomquist. [June 15, 1943-May 15, 1944] C</p> <p>10020 The microscopical examination of high explosive mixtures; progress report by Alfred T. Blomquist. Jan. 15, 1944. C</p> <p>10021 The microscopical examination of primer components, by A. T. Blomquist. [Dec. 15, 1943] C</p> <p>10023 The microscopical identification of waxes in explosives; progress reports by A. T. Blomquist. Dec. 25, 1943 and [Jan. 15, 1944] C</p> <p>10024 Polymorphic forms of HMX, by John R. Johnson. May 25, 1942. C</p> <p>10025 The polymorphism of HMX, by Alfred T. Blomquist. Feb. 27, 1943. OSRD 1227. C</p> <p>10026 Polymorphism of RDX; progress report by Alfred T. Blomquist. Sept. 15, 1943. C</p> <p>10027 The polymorphism of RDX and HMX; progress report by Alfred T. Blomquist. Oct. 15, 1943. C</p> | <p>10028 Polymorphism of TNT; progress report by Alfred T. Blomquist. May 15, 1944. C</p> <p>10029 Recovery of acetic acid by use of concentrated sulfuric acid; preliminary report by John R. Johnson. Dec. 15, 1941. C</p> <p>10030 Recovery of acetic acid from the Bachmann V-61 process; progress report by John R. Johnson. Dec. 15, 1941. C</p> <p>10031 Report of Dr. W. C. McCrone, jr. on his visit to the Shawinigan plant, by Alfred T. Blomquist. Dec. 17, 1942. C</p> <p>10032 The sensitivity of RDX, HMX, and RDX-HMX mixtures; progress reports by John R. Johnson. July 15 and Aug. 12, 1942. B-317. OSRD 797. C</p> <p>10033 Sensitivity of RDX-HMX mixtures produced by the TEC-Bachmann process; progress report by John R. Johnson. Aug. 21, 1942. C</p> <p>10034 Studies of RDX, HMX and RDX-HMX mixtures; progress report by John R. Johnson. June 15, 1942. C</p> <p>10035 Studies of the Ross process for RDX; progress report by John R. Johnson. Nov. 15, 1941. C</p> |
|---|---|

DIVISION 8

A CATALOG OF OSRD REPORTS

- | | |
|--|---|
| <p>10036 Studies related to the preparation of DINa and MeNENA, by A. T. Blomquist. [May 15 and June 15, 1944] Title varies. C</p> <p>10038 [Studies relating to aliphatic nitramines] progress report by A. T. Blomquist. Aug. 15, 1942. C</p> <p>10040 Studies relating to DINa, by Alfred T. Blomquist. Aug. 15, 1944-[Jan. 15, 1945] C</p> <p>10041 Studies relating to DINa and ethylene-NENA; progress report by Alfred T. Blomquist. Jan. 15, 1945. C</p> <p>10042 Studies relating to the Bachmann process; progress reports by John R. Johnson and A. D. Gilbert. Jan. 15, Feb. 15 and Aug. 12, 1942. B-318. OSRD 800. C</p> <p>10043 Studies relating to the crystallization of EDNA; progress report by Alfred T. Blomquist. May 15, 1943. C</p> <p>10044 Studies relating to the crystallography and sensitivity of RDX and HMX; progress reports by Alfred T. Blomquist. Oct. 15, Nov. 15 and Dec. 15, 1942. C</p> <p>10045 Studies relating to the preparation and properties of aliphatic nitramines, progress reports by Alfred T. Blomquist. Oct. 15, 1942-Apr. 15, 1944. C</p> | <p>10046 Studies relating to the preparation and properties of MeNENA, by A. T. Blomquist. [Feb. 15 and Mar. 15, 1944] C</p> <p>10047 Studies relating to the preparation and stabilization of DINa, by A. T. Blomquist. [July 15, Aug. 15 and Sept. 15, 1944] C</p> <p>10048 Studies relating to the Ross process, by John R. Johnson. Oct. 29, 1942. B-406. OSRD 979. C</p> <p>10049 Studies relating to the stability of PETN, by A. T. Blomquist. [Mar. 15-Oct. 15, 1943] C</p> |
|--|---|
- CORNELL UNIVERSITY, Ithaca, N. Y.
OEMsr-228
Projects NO-B38, NO-B40, OD-01, OD-04.
- CORNELL UNIVERSITY, Ithaca, N. Y.
OEMsr-229
Projects NO-135, OD-05, OD-44.
- 10051 [An apparatus for the determination of particle size] monthly reports by F. A. Long. Jan. 15-Apr. 14, 1942. C
- 10052 Studies relating to the development of cast propellants with special reference to the mechanism of consolidation, final report by H. Taube and J. L. Hoard. Nov. 6, 1945 OSMR 5759. C

A CATALOG OF OSRD REPORTS

DIVISION 8

- 10053 [Comments on "The efficiencies of various substances in promoting the gelatinization of nitrocellulose in 2:1 ether-ethanol"] letter by J. L. Hoard. June 14, 1943. C
- 10054 Compatibility relations of nitrocelluloses with various explosive, semiexplosive, and nonexplosive materials pertinent to the development of special propellants, by J. L. Hoard, H. Taube and O. N. Salmon. Oct. 30, 1945. OSRD 5758. C
- 10055 Distribution of crystalline DINA in powder grains as a function of time and temperature, by J. L. Hoard, H. Taube and O. N. Salmon. [Jan. 1944] C
- 10057 [Gelatinization of nitrocellulose] by J. L. Hoard. [Jan. 15, 1942-July 15, 1945] The butyl stearate - Pyro N/C system, by O. N. Salmon. [June 15, 1945] Compatibility of nitrocellulose with the solid explosive plasticizers, DINA, Fivonito, and Methyl NENA. [Oct. 15, Dec. 15, 1943 and Jan. 15, 1944] Subtitle varies. Compatibility relations in systems containing Pyro N/C, DINA, DNT, and TNT. [Mar. 15, 1945] Compatibility relations in systems, DINA-Pyro-semiexplosives plasticizer. [Nov. 15, 1944] Distribution of crystalline DINA in powder grains as a function of time and temperature. [July 15, 1944] High nitrogen blended composition using 13.9% N nitrocellulose. [Nov. 15, 1943] Superficial crystalline DINA on powder grains. [Jan. 15, 1945] C
- 10058 Materials tested for the gelatinization of nitrocellulose; progress report by F. A. Long and G. H. Kissin. May 23, 1942. C
- 10059 Studies relating to castable propellants, by J. L. Hoard. [Mar. 15-Aug. 15, 1945] C
- D. F. SERIES (Detonation and Fragmentation).
See also D. F. A. Series.
- 10060 Detonation and fragmentation; interim reports compiled by Howard J. Fisher. July 15, 1944-Aug. 15, 1945. Report nos. DF-(11-20). C
- D. F. A. SERIES (Detonation, Fragmentation and Air Blast).
See also D. F. Series.
- 10061 Detonation, fragmentation and air blast; interim reports [compiled by George B. Kistiakowsky and Howard J. Fisher] Sept. 15, 1943-June 15, 1944. Report nos. DFA-(1-10). C
- E. I. DU PONT DE NEMOURS AND COMPANY, INC., Wilmington, Del. OEMsr-220 Project OH-12.
- 10062 Investigation of the RDX-B process; final report. Nov. 21, 1942. B-431. OSRD-1044. C
- 10064 Bachmann RDX process; progress reports by W. F. Filbert and C. P. Spaeth. Apr. 22-June 10, 1942. C

DIVISION 8

A CATALOG OF OSRD REPORTS

10065 Bachmann RDX process; conference in Wilmington, by W. F. Filbert. Mar. 23, 1942. C

E. I. DU PONT DE NEMOURS AND COMPANY, INC., Wilmington, Del. OEMsr-640 Projects OD-6, OD-68.

10066 Melting point of RDX samples, by W. F. Filbert. Mar. 26, 1942. C

10079 Ethyleneurea pilot plant, by H. W. de Ropp. [Sept. 15, Oct. 15 and Nov. 15, 1943] C

10067 RDX - Bachmann process; progress reports by W. F. Filbert and C. P. Spaeth. Mar. 4, Mar. 18 and Apr. 8, 1942. C

10080 E.U. semi-works; progress reports by H. L. Forbes and W. E. Vail. Aug. 28, 1942-Aug. 11, 1943. C

E. I. DU PONT DE NEMOURS AND COMPANY, INC., Wilmington, Del. OEMsr-373 Projects OD-6, OD-68, OD-69.

E. I. DU PONT DE NEMOURS AND COMPANY, INC., Wilmington, Del. OEMsr 763 Projects NO-135, OD-05, OD-44, SOS-10.

10069 Preparation of ethyleneurea: process description, by D. D. Lee. Aug. 26, 1942. ADO-42-109. C

10081 Preparation of DEGN and double base powder duplicating a German rocket propellant; final report by G. W. Batchelder and J. E. Hughes. Oct. 4, 1944 OSRD 4212. C

10071 The production of ethyleneurea (ethylenediamine-urea route). Mar. 25, 1943. C

10082 Albanite cannon powder manufactured at Winnipeg Works of Defence Industries, Ltd., by W. F. Jackson and W. M. Branan. Sept. 25, 1945. OSRD 5475. C

10073 Summary of investigations [on synthesis of ethyleneurea] by D. J. Loder, Arthur G. Weber and L. Squires. Apr. 15-Dec. 11, 1942. C

10083 The development of an analytical procedure for the chemical analysis of Albanite Flashless powder, by H. E. Arnold and R. D. Gann. Aug. 5, 1944. OSRD 4035. C

A CATALOG OF OSRD REPORTS

DIVISION 8

- | | |
|--|---|
| <p>10084 Development of flashless powder for Navy guns, by W. F. Jackson, H. H. Holmes and W. M. Branan. Mar. 31, 1944. Report no. 38. C</p> <p>10085 Flashless powder for large caliber guns, by W. E. Lawson. [Feb. 15, 1943-Aug. 15, 1944] C</p> <p>10086 Flashless powder for Navy cannon, by W. F. Jackson, H. H. Holmes and W. M. Branan. June 3, 1944. OSRD-3726. C</p> <p>10087 New propellants, by W. E. Lawson. Sept., Oct. 15 and Nov. 11, 1942. C</p> <p>10088 [Preparation of special gun propellants] progress reports by S. C. Lloyd. Feb 10, 1943-Feb. 9, 1945. C</p> <p>10089 Rocket propellants, by W. E. Lawson. [Feb. 15-Aug. 15, 1944] C</p> <p>E. I. DU PONT DE NEMOURS AND COMPANY, INC., Wilmington, Del.
OEMsr-764
Projects AN-1, NO-133. See also Division 2 Carnegie Institute of Technology, OEMsr-950.</p> <p>10090 Antisubmarine shaped charge follow-through bomb: final report by G. C. Jacquot. Oct. 22, 1945. OSRD 5753. C</p> | <p>10091 Development of the antisubmarine shaped charge scatter bomb, final report by W. E. Kirst. Oct. 1, 1945. OSRD-5760. C</p> <p>10092 Scaling laws for underwater penetration with cavity charges; final report by J. K. Detrick. Aug. 1, 1945. OSRD 5392. C</p> <p>10093 Shaped charge torpedo warheads; final report by J. K. Detrick. Oct. 9, 1945. OSRD 5752. C</p> <p>10094 Antisubmarine scatter bomb, by C. O. Davis, F. W. Staab, J. L. VerBryck and J. K. Detrick. Dec. 11, 1942-June 4, 1943. C</p> <p>10095 AS bomb development and allied projects, by F. W. Staab and J. K. Detrick. July 3 and July 30, 1943. C</p> <p>10096 Development of anti-submarine follow-through bomb, by W. E. Lawson. [Aug. 15, 1943-July 15, 1944] AS follow-through bomb, by J. L. VerBryck and G. C. Jacquot. [Sept. 15 and Oct. 15, 1944] Factors involved in propelling FT projectile, by J. L. VerBryck, R. L. Alldredge and G. C. Jacquot. [Aug. 15, 1944] C</p> |
|--|---|

DIVISION 8

A CATALOG OF OSRD REPORTS

- 10097 Development of anti-submarine scatter bomb, by W. E. Lawson. [Sept. 15, 1942- Sept. 15, 1944] Drawn cones for Navy scatter bomb. [June 15, 1944] Fuse failures. [Jan. 15, 1944] Navy scatter bomb, by J. K. Detrick and J. L. VerBryck. [Sept. 15, 1944] Underwater penetration with drawn cones. [July 15, 1944] C
- 10104 Report for October 1943. Nov. 11, 1943. Contents.-- Section I. AS bomb tests at Portsmouth, by J. K. Detrick.--Section II. Navy Scatter Bomb - fuse failures, by J. L. VerBryck. -- Section III. Underwater scaling, by J. K. Detrick.-- Section IV. Mark 13 Torpedo Warhead, by J. K. Detrick.-- Section V. ASFT bomb, by J. L. VerBryck, R. L. Alldredge and L. H. Wilson. C
- 10099 Experimental evidence concerning cavity effect, by C. O. Davis. June 22, 1943. C
- 10100 Experimental evidence for Du Pont spall theory of mechanism of cone collapse, by C. O. Davis. [194-] R
- 10102 Report for August 1943. Sept. 11, 1943. Contents.-- Section I. AS bomb development, by F. W. Staab.--Section II. Modified Mark 4 AS projector, by F. W. Staab.-- Section III. Modified Mark 13 torpedo warhead, by J. K. Detrick.--Section IV. Underwater scaling and cone fabrication, by F. W. Staab and J. K. Detrick.--Section V. ASFT bomb, by J. L. VerBryck and R. L. Alldredge. C
- 10105 Report for November 1943. Dec. 9, 1943. Contents.-- Section I. Underwater scaling, by J. K. Detrick.-- Section II. Shaped charge torpedo warheads, by J. K. Detrick.--Section III. ASFT bomb, by J. L. VerBryck and R. L. Alldredge. C
- 10106 Report for December 1943. Jan. 11, 1944. Contents.-- Section I. Navy Scatter Bomb fuse failures, by J. K. Detrick and R. L. Hickling.-- Section II. Shaped charge torpedo warheads, by J. K. Detrick.--Section III. ASFT bomb, by J. L. VerBryck and R. L. Alldredge. C
- 10107 Report for January 1944. Feb. 11, 1944. Contents.-- Section I. Underwater scaling, by J. K. Detrick.--Section II. Shaped charge torpedo warheads, by J. K. Detrick.--Section III. ASFT bomb, by J. L. VerBryck and R. L. Alldredge.--Section IV. Navy Scatter Bomb, by R. L. Hickling. C
- 10108 Report for March 1944. Apr. 11, 1944. Contents. .-[Section I] Shaped charge torpedo warheads, by J. K. Detrick.--[Section II] AS follow-through bomb, by J. L. VerBryck and R. L. Alldredge. C

A CATALOG OF OSRD REPORTS

DIVISION 8

- 10109 Report for April and July 1944. May 10 and Aug. 5, 1944. Contents.--Section I. Shaped charge torpedo warheads, by J. K. Detrick.--Section II. Underwater scaling, by J. K. Detrick.--Section III. AS follow-through bomb, by J. L. VerBryck, R. L. Alldredge and G. C. Jacquot. C
- 10110 Report for May 1944. June 6, 1944. Contents.--Section I. Shaped charge torpedo warheads, by J. K. Detrick.--Section II. Drawn cones for the Navy Scatter Bomb, by J. K. Detrick.--Section III. AS follow-through bomb, by J. L. VerBryck, R. L. Alldredge and G. C. Jacquot. C
- 10111 Report for June 1944. July 6, 1944. Contents.--Section I. Shaped charge torpedo warheads, by J. K. Detrick.--Section II. Underwater penetration with drawn cones, by J. K. Detrick.--Section III. Scaling laws for steel cones, by J. K. Detrick.--Section IV. AS follow-through bomb, by J. L. VerBryck, R. L. Alldredge and G. C. Jacquot. C
- 10112 Scaling-up of underwater penetration by shaped charges, by W. E. Lawson. [May 15, June 15 and July 15, 1943] C
- 10113 Shaped charge torpedo warheads, by J. K. Detrick. Mar. 11, 1944. C
- 10114 Shaped charges for underwater use, by W. E. Lawson. Sept. 6, 1944-[Aug. 15, 1945] C
- 10115 Shaped warheads for torpedoes, by W. E. Lawson. [May 15, 1943-Sept. 15, 1944] Full-scale trials with Torpex II and Composition B-2 fillings, by J. K. Detrick. [Aug. 15, 1944] Mark 13 torpedo warhead. [Nov. 15, 1943] C
- 10116 Theory of cavity effect, by M. A. Cook. [194-] C
- 10117 Underwater scaling, by W. E. Lawson. [Nov. 15, 1943-Sept. 15, 1944] Comparison of results obtained at ERL and Eastern Laboratory, by J. K. Detrick. [Aug. 15, 1944] Scaling laws for steel cones. [July 15, 1944] Underwater penetration - copper cones, by J. K. Detrick and G. C. Jacquot. [Sept. 15, 1944] C
- 10118 Underwater scaling and cone fabrication, by W. E. Lawson. [Sept. 15, 1943] C
- E. I. DU PONT DE NEMOURS AND COMPANY, INC., Wilmington, Del.
OEMsr-765
Project OD-68.
- 10120 EDNA; progress report by C. P. Spaeth and J. C. Vyverberg. Sept. 15, 1942. C
- 10121 EDNA; progress reports by W. E. Lawson and C. P. Spaeth. Oct. 12, 1942-Aug. 7, 1943. R
- 10122 Haleite; progress reports by C. P. Spaeth, R. M. Cavanaugh and J. E. Lufkin. Sept. 7-Dec. 2, 1943. R

DIVISION 8

A CATALOG OF OSRD REPORTS

10123 Nitration of ethyleneurea, by W. E. Lawson. [Feb. 15-Dec. 15, 1943] C

10124 Production of EDNA at Government tetryl plants, by G. W. Batchelder. Apr. 23, 1943. C

E. I. DU PONT DE NEMOURS AND COMPANY, INC., Wilmington, Del.
OEMsr-828
Projects CE-32, NS-125.

10125 Development of linear charges: Mark 29 device; final report by L. A. Burrows. June 15, 1944. OSRD 3781. C

10127 Accidental explosion and fire during Mark 29 loading, by L. A. Burrows. Dec. 11, 1943. C

10128 Development of liquid explosives, by W. E. Lawson. [Jan. 15-Aug. 15, 1944] C

10129 Liquid explosives for U.S. Engineer Board, by M. A. Cook. July 7 and Aug. 9, 1944. C

10130 Mark 8; progress reports by M. A. Cook. Jan. 10-June 6, 1944. Title varies. C

10131 Mark 29; interim reports by W. E. Lawson. [Dec. 15, 1942-Oct. 15, 1943] Progress reports, by M. A. Cook and Roy C. Woehrmann. July 3, Aug. 2 and Nov. 3, 1943. Title varies. C

10132 Properties of liquid explosives, by C. O. Davis and Howard J. Fisher. Dec. 16, 1944. L-1. C

10133 Segregation of PETN from molten Pentolite, by [W. E. Lawson] Aug. 13, 1943. C

E. I. DU PONT DE NEMOURS AND COMPANY, INC., Wilmington, Del.
OEMsr-1118
Project OD-68.

10135 Design work. Synthesis of ethyleneurea, by S. K. Varnes. Oct. 20, 1943. C

E. I. DU PONT DE NEMOURS AND COMPANY, INC., Wilmington, Del.
OEMsr-1332
Project NO-135.

10136 DINA - process development and semiworks production; final report by R. M. Cavanaugh. Oct. 12, 1945. OSRD 5975. C

10137 DINA, by M. F. Fuller. Acetic acid recovery from waste acid by continuous ether extraction. June 5, 1945. Investigation of nitrator fires. June 12, 1945. C

10138 DINA pilot plant, by W. E. Lawson and R. M. Cavanaugh. [June 15, 1944-Aug. 15, 1945] C

10139 DINA semiworks nitrator fires, by J. E. Lufkin. June 12, 1945. C

A CATALOG OF OSRD REPORTS

DIVISION 8

10140 Preparation of DNA - safety tests, by J. E. Lufkin, Mar. 31, 1945. OSRD 4882.

C

E. I. DU PONT DE NEMOURS AND COMPANY, INC., Wilmington, Del. OEMsr-1467
Project NO-231.

E. I. DU PONT DE NEMOURS AND COMPANY, INC., Wilmington, Del. OEMsr-1355
Projects NA-197, NO-135, OD-05, OD-14, OD-197. See also E. I. du Pont de Nemours and Company, Inc., OEMsr-763.

10141 Flashless powder for Navy cannon; final report. Dec. 20, 1945. OSRD 6215. C

10148 Development of inert materials to simulate explosives; final report by J. B. Tepe. Dec. 4, 1945. OSRD 6362. C

10149 Development of inert materials to simulate explosives, by J. B. Tepe and C. M. Cooper. [June 15, July 15 and Aug. 15, 1945] C

EASTMAN KODAK COMPANY, Rochester, N. Y. OEMsr-K36

10143 Cast double-base jet propellant. Nov. 27, 1945. OSRD-6298. C

10150 Unbleached wood cellulose for nitration; [final report] by George A. Richter June 15, 1943. C

10144 Cast propellants, by W. E. Lawson. [May 15-Aug. 15, 1945] C

10151 Unbleached wood cellulose for nitration, by G. A. Richter. [Jan. 15] Feb. 13 and Apr. 9, 1943. C

EXPLOSIVES RESEARCH LABORATORY
See Carnegie Institute of Technology

10145 Development of propellants containing RDX, by A. A. Ebert and W. M. Branan. Dec. 20, 1945. OSRD 6216. C

10146 Gun propellants; monthly progress reports by S. C. Lloyd. July 6 and Aug. 9, 1945. C

F. S. SERIES (Fundamental Study of Explosives).

10147 Special propellants, by W. E. Lawson. [Sept. 15, 1944-Aug. 15, 1945] C

10152 Fundamental study of explosives; interim reports. Sept. 15, 1942-Aug. 15, 1943. Report nos. FS-(1-13). C

DIVISION 8

A CATALOG OF OSRD REPORTS

GULF RESEARCH AND DEVELOPMENT COMPANY, Pittsburgh, Pa.
OEMsr-322
Project NA-103.

10153 Spontaneous ignitors for gasoline - fuming nitric acid mixtures; final report by Eugene E. Ayres. Nov. 4, 1942. B-421. OSRD 1000. C

10154 [Spontaneous ignitors for gasoline] 18.00 progress reports by Eugene Ayres. Mar. 11-Sept. 15, 1942. C

GULF RESEARCH AND DEVELOPMENT COMPANY, Pittsburgh, Pa.
OEMsr-351
Projects NO-R38, OD-04.

10156 Beeswax substitute for phlegmatization of Cyclo-nite; final report by W. A. Gruse. May 12, 1944. C

10157 Beeswax substitute for phlegmatization of Cyclo-nite; progress reports by W. A. Gruse. Apr. 28-Feb. 5, 1943. C

GULF RESEARCH AND DEVELOPMENT COMPANY, Pittsburgh, Pa.
OEMsr-959
Project AN-1. See also Division 2, Carnegie Institute of Technology, OEMsr-950.

10158 Development of a shaped-charge follow-through weapon; final report by Morris Muskat. Nov. 20, 1945. OSRD 6227. C

10159 [Development of follow-through projectile] progress reports by Morris Muskat. July 15, 1943-Mar. 10, 1945 and [Aug. 15, 1945] C

GULF RESEARCH AND DEVELOPMENT COMPANY, Pittsburgh, Pa.
OEMsr-1145
Project OD-14.

10160 Humidity controlled circuit breaker; final report by E. H. Epprecht. Mar. 27, 1944. OSRD 3412. C

HARVARD UNIVERSITY, Cambridge, Mass. NDCrc-46 Projects NO-89, NO-96, OD-01.

10163 The heats of combustion of explosives; final report by George B. Kistiakowsky and W. S. McEwan. July 15, 1942. B-288. OSRD 702. R

HARVARD UNIVERSITY, Cambridge, Mass. NDCrc-168 Projects NO-144, OD-02, OD-03, OD-04.

10167 [Calculation of detonation properties of explosives] monthly reports by Stuart R. Brinkley, Jr. and E. Bright Wilson, Jr. Feb. 15, 1942-June 16, 1943. C

10170 Studies of detonation waves in oxygen-hydrogen mixtures, by E. B. Wilson, Jr. [Sept. 15, 1942] C

A CATALOG OF OSRD REPORTS

DIVISION 8

HARVARD UNIVERSITY, Cambridge,
Mass. OEMsr-334
Projects OD-02, OD-03.

10171 Blast pressures and mementa
from some large bombs; final
report by E. B. Wilson, jr.
and W. D. Kennedy. Nov. 17,
1943. OSRD 3046. C

10172 [Air blast measurement]
monthly reports by E. Bright
Wilson, jr. Mar. 12-July
15, 1943. C

10173 Calculations of detonation
rates, by E. B. Wilson, jr.
[Nov. 15, 1942-May 15, 1943]
C

10174 Experimental investigations
of detonations, by E. Bright
Wilson, jr. Mar. 15, 1942.
C

10175 Interference of shock-waves
in air, by E. B. Wilson, jr.
[Oct. 15 and Nov. 15, 1942]
C

10176 The interference patterns
formed by shock waves from
sparks, recorded on sooty
plates; monthly report.
Nov. 15, 1942. C

10177 Measurement of blast pres-
sures from 4000-lb. bombs;
progress report by E. B.
Wilson, jr. Jan. 23, 1943.
OSRD 1153. C

10178 Measurement of shock wave
pressures in air, by E. B.
Wilson, jr. [Nov. 15, 1942-
Aug. 15, 1943] C

10179 [Studies of detonations]
monthly reports by E. Bright
Wilson, jr. Apr. 15, 1942-
Feb. 15, 1943. C

10180 Study of gaseous detonation,
by E. B. Wilson, jr. [Jan.
15, Feb. 15] and Mar. 15,
1943. C

HARVARD UNIVERSITY, Cambridge,
Mass. OEMsr-342
Projects OD-6, OD-12.

10181 The mechanism of formation
of cyclonite; [final report]
by George B. Kistiakowsky,
Gregory P. Baxter, R. P.
Linstead, F. A. Kuehl, jr.
and J. J. Leavitt. Oct. 14,
1942. B-393. OSRD 950. C

10182 The mechanism of formation
of cyclonite; final report
by G. P. Baxter, R. P. Lin-
stead, F. A. Kuehl, jr. and
J. J. Leavitt. [Nov. 1942]
C

10183 Mechanism of formation of
cyclonite; progress reports
by G. B. Kistiakowsky, R. P.
Linstead, J. J. Leavitt and
F. A. Kuehl, jr. [Mar.]-
Aug. 15, 1942. C

HARVARD UNIVERSITY, Cambridge,
Mass. OEMsr-1028
Projects OD-01, OD-118.

10185 Analysis of simple primer
mixtures; monthly progress
reports by James J. Lingane.
Sept. 15, Oct. 15 and Nov.
15, 1944. Report nos. 11-
16. C

DIVISION 8

A CATALOG OF OSRD REPORTS

10186 Determination of sulfide and antimony in stibnite, by James J. Lingane. May 15, 1944. Monthly progress report no. 10. C

10187 Diffusion current constants of mercury and lead, by James J. Lingane. Apr. 15, 1944. Monthly progress report no. 9. C

10188 Improvement of sulfide determination in antimony sulfide, by James J. Lingane. June 15, 1944. Monthly progress report no. 11. C

10189 Polarographic analysis of primers; monthly progress reports by James J. Lingane. July 15, Aug. 15 and Dec. 15, 1944. C

10190 Polarographic characteristics of azide ion, by James J. Lingane. Dec. 15, 1943. Monthly progress report no. 5. C

10191 Polarographic investigation of antimonous sulfide, by James J. Lingane. Mar. 15, 1944. Monthly progress report no. 8. C

10192 Polarographic investigation of explosives, by J. J. Lingane. [Dec. 15, 1943-Dec. 15, 1944] C

10194 Polarographic investigation of nitro explosives, by J. J. Lingane. [Aug. 15-Nov. 15, 1943] C

10195 Voltammetric characteristics of azide ion at a platinum microelectrode, by James J. Lingane. Jan. 15 and Feb. 18, 1944. Monthly progress report nos. 6, 7. Title varies. C

HERCULES POWDER COMPANY, Kenilworth, N. J.

10196 Gelatin dynamite - development of blasting assembly, by J. E. Riley. Feb. 8, 1943. C

HERCULES POWDER COMPANY, Wilmington, Del. OEMSR-719 Projects NO-B10, NO-B38, NO-199, NO-201, OD-01, OD-04, OD-103.

10197 Sensitiveness of high explosives; final report by J. M. Downard and R. W. Lawrence. Mar. 30, 1946. OSRD 6629. C

10198 High explosives sensitiveness investigation, by R. W. Lawrence. [Sept. 15, 1942-Aug. 15, 1945] C

A CATALOG OF OSRD REPORTS

DIVISION 8

- 10199 High explosives sensitivity investigation; digests by J. M. Downard, J. E. Myers, Walter S. Koski, R. W. Lawrence, J. G. Fox and M. A. Kintner. Aug. 7, 1942-July 6, 1945. Boostering charge tests. May 4, June 1 and Sept. 7, 1945. Impact sensitiveness of high explosives. Oct. 2, 1942. Rifle bullet tests. Oct. 2, 1942-Sept. 3, 1943. Subtitle varies. Sensitiveness to friction. Oct. 2, 1942-July 7, 1944. Subtitle varies. Sensitiveness to glancing impact - sliding rod tests. Feb. 4-July 7, 1944. Sensitiveness to impact. Jan. 1, 1943-May 5, 1944. Sensitiveness to impact and cap sensitivity. July 7, 1944. Sensitiveness to rifle bullet. Oct. 1, 1943-July 7, 1944. C
- 10200 A method of measuring the sensitiveness of high explosives to frictional impact; progress report by J. G. Fox. Jan. 27, 1944. OSRD-3185. C
- 10201 Sensitiveness of high explosives; progress reports by J. G. Fox, W. S. Koski, R. W. Lawrence, J. E. Myers and J. M. Downard. Mar. 23, 1943-Feb. 28, 1946. OSRD nos. 1288, 3991, 4962, 5632, 6627. C
- 10202 Sensitiveness of high explosives to rifle bullets; condensed report by R. W. Lawrence and J. E. Myers. [1943] C
- HERCULES POWDER COMPANY, Wilmington, Del. OEMsr-859 Project NS-125.
- 10203 [Explosive streamers] final report by C. H. Cordic. Dec. 29, 1942. C
- 10204 DINA and related compounds; final report by R. L. Shriner. Aug. 7, 1945. OSRD-5156. C
- 10205 Analysis of HMX-RDX mixtures, by R. L. Shriner and William Arendshorst, jr. Feb. 15, Mar. 10 and Apr. 10, 1943. Title varies. C
- 10206 Color reactions of RDX, HMX and TNT and the preparation of various nitramines; progress report by Ralph L. Shriner. Nov. 25, 1943. OSRD 2054. C
- 10208 DINA, progress reports by R. L. Shriner. Aug. 10, 1944-Feb. 10, 1945. C
- 10209 Nitramines, progress reports. May 10, 1943-May 10, 1944. Color reactions of HMX and RDX. May 10, 1943. C
- 10210 [Preliminary studies on the solubility of RDX and HMX at 22°] by R. L. Shriner and William Arendshorst. Dec. 15, 1942. C
- 10211 I. The preparation of stabilizers. II. The nitration of sym-diphenylguanidine, progress report by Ralph L. Shriner Mar. 1, 1945. C

DIVISION 8

A CATALOG OF OSRD REPORTS

10212 The solubility method, by Ralph L. Shriner and William Arendshorst, jr. [Aug. 14, 1943] C

10213 Studies on DINA, by R. L. Shriner. June 10 and July 10, 1944. C

10214 Studies on nitramines, by R. L. Shriner and William Arendshorst, jr. [June 15, 1943-Mar. 15, 1944] Title varies. C

10215 Studies on RDX and HMX; progress report by R. L. Shriner and William Arendshorst, jr. Jan. 15, 1943. C

10216 A survey of nitramines and nitramides; preparations, properties, reactions and references, by William Arendshorst, jr. and R. L. Shriner. Feb. 1, 1944. R

INSTITUTE FOR ADVANCED STUDY,
Princeton, N. J. OEMar-218
Projects OD-02, OD-03.

10220 [Study of shock waves] by John von Neumann. Mar. 14-Aug. 15, 1942. R

IOWA STATE COLLEGE, Ames, Iowa
NDCrc-19
Project OD-1.

10222 Nitration of furan and of its derivatives and related substances; final report by Henry Gilman, H. L. Yale and H. B. Willis. May 1941. C

10223 The nitration of furans; final report by Henry Gilman. Jan. 28, 1942. B-172. C
OSRD 350.

JOHNS HOPKINS UNIVERSITY, Baltimore, Md. OEMsr-773
Projects AN-1, NO-144, OD-02, OD-03, OD-04.

10235 Memoranda of work done on theory and operation of cavity charges; final report by R. W. Wood. [1945] C

J. P. SERIES (Jet Propulsion).

10226 Propellants for special jet propulsion devices; interim reports compiled by Howard J. Fisher. Sept. 15, 1944-Aug. 15, 1945. Report nos. JP-(1-12).

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, Mass. NDCrc-12
Project OD-13.

10228 Report of the studies on the reaction of mercuric n'trate with naphthalene, by T. L. Davis and M. A. Smith. June 30, 1941. R

MELLON INSTITUTE LABORATORY
See Gulf Research and Development Company, OEMsr-351.

A CATALOG OF OSRD REPORTS

DIVISION 8

METAL AND THERMIT CORPORATION,
Rahway, N. J. OEMsr-1226
Projects NO-151, OD-01, OD-
04, OD-1, OD-151, OD-159.

10231 Tracer and igniter compositions; final report. Jan. 15, 1946. OSRD 6581. C

10232 [Igniters and tracers] by S. Ricklin and H. Hirschland. Apr. 15 and May 18, 1944. C

10233 Review of igniter and tracer compositions, by H. Hirschland and Saul Ricklin. R-79, Mar. 18, 1944. OSRD-3498, Apr. 21, 1944. C

10234 Tracer compositions, by L. T. Work, H. Hirschland, S. Ricklin and W. Dunham. [Apr. 15, 1944-Aug. 15, 1945] C

UNIVERSITY OF MICHIGAN, Ann Arbor, Mich. NDCrc-21 Projects OD-5, OD-6, OD-12.

10236 The preparation of Cyclonite; progress report by Werner E. Bachmann, Frank C. Whitmore and Walter R. Kirner. Jan. 17, 1941. B-2. OSRD 65. C

UNIVERSITY OF MICHIGAN, Ann Arbor, Mich. NDCrc-87 Project OD-12.

10238 [Preparation of Cyclonite] progress report by W. E. Bachmann. Mar. 15, 1942. C

10239 The preparation of Cyclonite using hexamine, by W. E. Bachmann. Jan. 30, 1942. C

UNIVERSITY OF MICHIGAN, Ann Arbor, Mich. OEMsr-245 Projects NO-117, OD-5, OD-6, OD-12, OD-68.

10241 Studies on RDX (B) and related compounds; final report by Werner E. Bachmann, Edward L. Jenner, Lawrence B. Scott and Norman C. Deno. June 9, 1945. OSRD 5186. C

10242 Abstract of work done at the University of Michigan, by W. E. Bachmann. Jan. 15, 1942. C

10243 Experiments on RDX, PHX and HMX, by W. E. Bachmann and E. L. Jenner. Jan. 15, 1943. Report no. 104. C

10244 The hydrolysis method for samples rich in HMX, by Werner E. Bachmann, E. L. Jenner and L. B. Scott. [Aug. 14, 1943] C

10245 The impact sensitivity of HMX and of RDX-HMX mixtures, by Werner E. Bachmann, Alfred T. Blomquist, Lee G. Davy, Duncan P. MacDougall and Frank C. Whitmore. Sept. 5, 1944. OSRD 4099. C

DIVISION 8

A CATALOG OF OSRD REPORTS

- 10246 Investigation of the catalytic conversion of benzene to DNP, by W. E. Bachmann. [Jan. 15-Nov. 15, 1943] The oxynitration of benzene. [Feb. 15 and Mar. 15, 1943] C
- 10247 The oxynitration of benzene: the preparation of 2,4-dinitrophenol and picric acid, by W. E. Bachmann, J. M. Chemerda, N. C. Deno and E. L. Jenner. Jan. 15, Feb. 15 and Mar. 15, 1943. Interim report nos. 103, 105, 107. C
- 10248 The oxynitration of benzene to dinitrophenol, by W. E. Bachmann, J. M. Chemerda, N. C. Deno and E. C. Horning. July 15-Nov. 15, 1943. Interim report nos. 115, 117, 119, 121, 123. C
- 10249 The oxynitration of benzene to dinitrophenol and picric acid, by W. E. Bachmann, J. M. Chemerda, N. C. Deno and E. C. Horning. Apr. 15, May 15 and June 15, 1943. Interim report nos. 109, 111, 113. C
- 10250 Preparation of cyclonite; progress reports by W. E. Bachmann. Dec. 19, 1941, Mar. 21 and Apr. 18, 1942. C
- 10254 The preparation of ethylene-diurethane by a continuous process, progress report by W. E. Bachmann. Sept. 15, 1942. C
- 10255 Preparation of HMX, by W. E. Bachmann, E. L. Jenner and L. B. Scott. Apr. 15, 1943. Interim report no. 110. C
- 10257 The preparation of RDX; progress report by W. E. Bachmann. Sept. 15, 1942. C
- 10258 RDX; progress reports by W. E. Bachmann, E. L. Jenner, L. B. Scott and N. C. Deno. June 24 and July 15, 1942. Report no. 106, Feb. 15, 1943. Studies on HMX and H-2. Mar 15, 1943. Report no. 108. C
- 10259 The recovery of acetic acid in the combination method for the preparation of cyclonite; progress report by W. E. Bachmann. Dec. 1, 1941. C
- 10260 The sensitivity of RDX; progress report by W. E. Bachmann. May 12, 1942. C
- 10261 [Studies on RDX] by W. E. Bachmann. Oct. 15, 1942. C
- 10262 Studies on RDX and HMX, by W. E. Bachmann, E. L. Jenner and L. B. Scott. May 15-Nov. 15, 1943. Interim report nos. 112, 114, 116, 118. C
- 10263 Studies on RDX and related compounds, by W. E. Bachmann, E. L. Jenner, L. B. Scott and N. C. Deno. Jan. 15, 1944. Interim report no. 122. C

A CATALOG OF OSRD REPORTS

DIVISION 8

- 10264 Studies on RDX (B), by W. E. Bachmann, E. L. Jenner and L. B. Scott. Dec. 15, 1943-Oct. 15, 1944. Interim report nos. 120, 124, 126, 128, 130, 132, 134, 136, 138, 140. Title varies. C
- 10265 Studies on RDX; RDX formation, by W. E. Bachmann. Nov. 15, 1942. C
- 10267 Studies on the preparation of DPT, HMX, and PHX, by W. E. Bachmann, E. L. Jenner, J. M. Chemerda and N. C. Deno. Dec. 15, 1942. Report no. 102. C
- MONSANTO CHEMICAL COMPANY, Dayton, Ohio OEMsr-194**
See also Monsanto Chemical Company, OEMsr-639.
- 10268 Development of plastic mixtures for use as UP propellants, by Charles Allen Thomas and Carroll A. Hochwalt. Progress reports, Jan. 12-Oct. 8, 1942. Summary progress report, Aug. 8, 1942. B-312. OSRD 778. C
- 10270 Recommendations for future developmental work on molded composite propellants; final report by F. A. Long. Nov. 30, 1945. OSRD 6308. C
- 10271 The ACL-1 jet propulsion unit; units T10 and T10E1; supplementary report by F. A. Long. Nov. 9, 1945. OSRD 5703. C
- 10272 Cementing technique for fabricating charges of molded composite propellant; progress report by W. K. McEwen. Dec. 4, 1945. OSRD 5587. C
- 10273 Characteristics of low thrust, long burning jet propulsion units utilizing molded composite propellant; progress report by R. A. Ruehrwein. Nov. 20, 1945. OSRD 5705. C
- 10274 Characteristics of the ACL-1 jet propulsion unit; progress report by F. A. Long. June 27, 1945. OSRD 5268. C
- 10269 [Plastic binders for molded composite propellants] monthly progress reports by Charles Allen Thomas and Carroll A. Hochwalt. Feb. 25-Nov. 15, 1942. C
- 10275 Coats to restrict the burning surface of molded composite propellant charges; progress report by W. K. McEwen. Dec. 4, 1945. OSRD 5588. C

DIVISION 8

A CATALOG OF OSRD REPORTS

- 10276 Composite rocket propellant 218-B. [194-] C
- 10278 Construction at the Monsanto Pilot Plant for molded composite propellants; progress report by R. E. Lenz and W. R. Schwandt. Nov. 15, 1945. OSRD 5707. C
- 10279 The "Decipede", a 1000 pound thrust, 43 second burning time jet propulsion unit; progress report by J. F. Dewald. Nov. 20, 1945. OSRD-5704. C
- 10280 Design and liaison on application for giant grains, by N. W. Krase. [June 15-Sept. 15, 1944] C
- 10281 Design of motors for large diameter charges of molded composite propellant; progress report by J. F. Dewald and C. E. Norton. Nov. 30, 1945. OSRD 5722. C
- 10282 Development and testing of composite rocket propellants; progress reports by Charles Allen Thomas and J. R. Eck. Sept. 15, 1942-May 15, 1944. Abstracts. [Dec. 15, 1943 Jan 15 and Feb 15, 1944] Pilot plant operations, monthly progress reports by C. Rogers McCullough. Aug. 15, 1944-Aug. 15, 1945. C
- 10284 Development and testing of molded composite rocket propellants, by C. A. Thomas and C. R. McCullough. [May 15 and June 15, 1944] Pilot plant operations. [July 15-Oct. 15, 1944] C
- 10285 Development of twelve inch diameter grains of molded composite propellants; progress report by F. A. Long. Nov. 8, 1945. OSRD 5698. C
- 10286 General properties of molded composite propellants; progress report by F. A. Long. Nov. 8, 1945. OSRD 5700. C
- 10287 High pressure clamping for assembly of solid charges of molded composite propellant; progress report by F. A. Long and C. E. Norton. Nov. 30, 1945. OSRD 5708. C
- 10288 Investigation of a drum dryer method of producing composite propellant molding powder; progress report by W. B. Dunlap. Nov. 5, 1945. OSRD 5696. C
- 10290 Large thrust jet units with 4 second burning time. Progress report by R. A. Reinwein. Nov. 14, 1945. OSRD-6307. C
- 10291 Milling of composite propellant molding powder. progress report by C. W. M. Hartman. Nov. 21, 1945. OSRD-6308. C

A CATALOG OF OSRD REPORTS

DIVISION 8

- | | |
|--|--|
| <p>10292 Molded composite propellants for artillery rockets, progress report by R. A. Ruehrwein and Rodger L. Schaefer. Nov. 29, 1945. OSRD 5701. C</p> <p>10293 Non-setting binders for molded composite propellants; progress report by W. M. Hutchinson. Dec. 26, 1945. OSRD 5586. C</p> <p>10294 Operation and service for the Monsanto ACL-1 Model 3 motor. Jan. 2, 1945. ACL-1 manual no. 1. C</p> <p>10295 Pilot plant pressing of molded composite propellant; progress report by S. A. Francis. Nov. 5, 1945. OSRD 5702. C</p> <p>10296 The manufacture of Composite Propellant 218B; preliminary engineering report by E. H. Buford, Ira Phelps and A. E. Marshall. Sept. 20, 1943. OSRD 1822. C</p> <p>10297 The present status of Composite Propellant 218, progress report by Louis P. Hammett. Feb. 3, 1943. OSRD 1177. C</p> <p>10298 Process report on pilot plant production of molded composite propellant for ACL-1 charges. by Walter H. Hammond and Rodger L. Schaefer. Nov. 29, 1945. OSRD 5706. C</p> | <p>10299 "Purge" pellets for use with spinner rockets equipped with VT fuzes; progress report by J. N. Addams and Rufus W. Lumry. Nov. 20, 1945. OSRD 5590. C</p> <p>10300 A turbidity method for determining particle size of potassium nitrate; progress report by F. A. Long and G. Long. Nov. 23, 1945. OSRD-5697. C</p> <p>10301 Ultrasonic inspection of grains of molded composite propellant; progress report by J. N. Addams and H. L. Greenwald. Nov. 20, 1945. OSRD 5699. C</p> <p>NATIONAL ACADEMY OF SCIENCES, Washington, D. C. NDrc-147
See National Academy of Sciences, OEMsr-156.</p> <p>NATIONAL ACADEMY OF SCIENCES, Washington, D. C. OEMsr-147
Projects NO-B38, NO-B40, OD-01, OD-04.</p> <p>10302 NTM re. [Separation of nitroto. nes] final report by [Edward Mack, Jr.] July 10, 1942. Report no. 4. C</p> <p>10303 NTM reports. Removal of p-nitrotoluene from o- and p-nitrotoluene. June 15, 1942. Report no. 3. Separation of o-nitrotoluene from o- and p-nitrotoluene, by A. B. Garrett and G. F. MacLeod. Apr. 30, 1942. Report no. 2. C</p> |
|--|--|

DIVISION 8

A CATALOG OF OSRD REPORTS

NATIONAL ACADEMY OF SCIENCES, Washington, D. C. OEMsr-156
Projects NO-B38, NO-B40, OD-01, OD-04.

10305 Eutectic diagrams; final report by Edward Mack, jr. Apr. 1, 1942. C

UNIVERSITY OF NEW MEXICO, Albuquerque, N. M. OEMsr-264

10306 A report of experiments on the effectiveness of RDX Composition A-loaded 5"/38 shells in damaging military aircraft. Assessments, target aircraft SE2A-4 nos. A-1, A-2, A-3, A-4; supplementary report. Dec. 27, 1944. C

UNIVERSITY OF NORTH CAROLINA, Chapel Hill, N. C. OEMsr-976 Projects NC-144, NO-224, OD-02, OD-03. See also Division 2, University of North Carolina; Princeton University, OEMsr-260; and U. E. Series.

10308 Calculations on shock waves in air, by O. K. Rice. [Sept. 15, 1943] C

10309 Controlled decomposition of nitrocellulose, by O. K. Rice and Robert Ginell. [Sept. 15, 1944] C

10310 Low pressure burning of nitrocellulose and the composition of white substance (W.S.), monthly report by Robert Ginell. Sept. 1944 C

10311 [The numerical integration of the equations for a spherical shock wave in air] monthly reports by O. K. Rice and Robert Ginell. Apr. and Aug. 1944. C

10312 A possible explanation of the effect of grain size on detonation velocity, by O. K. Rice. Mar. 15 and Apr. 14, 1944. C

10313 The pressure wave produced by an underwater explosion by O. K. Rice and Robert Ginell. Asymptotic equations for the case of cylindrical symmetry. Jan. 1944. The case of cylindrical symmetry applied to TNT and 50% pentolite. June 15, 1944. C

10315 Some remarks on the theory of the burning of double-base powders; monthly reports by O. K. Rice and Robert Ginell. Sept. and Oct. 1944. C

10316 Theory of burning of rocket powders, by O. K. Rice and Robert Ginell. [Sept. 15, 1944-June 15 1945] C

10318 [Theory of shock waves] monthly reports by O. K. Rice and Robert Ginell. July-Dec. 1943. C

10320 The theory of the burning of rocket propellants. Part I, reports by O. K. Rice and Robert Ginell. Nov. 1944 and June 1945. C

A CATALOG OF OSRD REPORTS

DIVISION 8

UNIVERSITY OF NOTRE DAME, Notre Dame, Ind. OEMsr-669 Project OD-68.

10324 Addition of oxides of nitrogen to ethylene, by Richard S. Towne and Kenneth N. Campbell. Oct. 13, 1942-[Feb. 15, 1944] C

O. D. P. SERIES (Organic Development Problems).

10326 Organic development problems; interim reports compiled by Howard J. Fisher. Dec. 15, 1942-Feb. 15, 1945. Report nos. ODP-(1-27). C

OHIO STATE UNIVERSITY, Columbus, Ohio NDCrc-43 Project OD-4.

10327 The preparation of anhydroenneahexitol; final report by M. L. Wolfrom. Oct. 4, 1941. B-83. OSRD 145. C

10331 Physical constants of WS prepared at Columbia University, by [M. L. Wolfrom] [194-] C

OHIO STATE UNIVERSITY, Columbus, Ohio OEMsr-163 Projects NO-B38, NO-B40, OD-01, OD-04.

10332 PETN - EDNA project, final report by Edward Mack, Jr. Mar. 7, 1942. C

OHIO STATE UNIVERSITY, Columbus, Ohio OEMsr-1152 Project OD-126.

10334 The thermal decomposition of cellulose nitrate under reduced pressure. Chemical nature of the "white substance" (WS); final report by M. L. Wolfrom, E. E. Dickey, D. O. Hoffman and S. M. Olin. Apr. 28, 1945. OSRD 4999. C

10335 Controlled decomposition of nitrocellulose, by M. L. Wolfrom. [Oct. 15, 1943-Mar. 15, 1945] C

10336 DINA (bis-nitroxyethylnitramine), by [M. L. Wolfrom] Dec. 8, 1943. C

10337 The thermal decomposition of cellulose under reduced pressure. A. Composition of the liquid fraction (RS), by M. L. Wolfrom, S. M. Olin and E. E. Dickey. Apr. 18, 1944. C

PENNSYLVANIA STATE COLLEGE, State College, Pa. NDCrc-8 Projects OD-6, OD-12. See also University of Michigan, NDCrc-21

10338 The preparation of cyanoite (RDk). Detailed report on the nitration of hexamethylenetetramine. [final report] by Frank T. Whitsure. June 11, 1941. L-14 OSRD 100. C

DIVISION 8

A CATALOG OF OSRD REPORTS

10339 A study of the nitration of hexamethylenetetramine and related compounds, by Frank C. Whitmore. [Oct. 1, 1941] C

PENNSYLVANIA STATE COLLEGE, State College, Pa. NDCrc-66 Projects OD-6, OD-12. See also Pennsylvania State College, NDCrc-8.

10340 Nitration of melamine; [final report] by Frank C. Whitmore. Jan. 29, 1942. B-173. OSRD 351. C

PENNSYLVANIA STATE COLLEGE, State College, Pa. OEMsr-243 Projects OD-6, OD-12.

10341 Miscellaneous studies on the preparation of RDX and related compounds not otherwise covered in formal reports; final report by Frank C. Whitmore. Aug. 31, 1944. C

10342 The cause, prevention and removal of the coating formed in the apparatus used in the Tennessee Eastman modification of the Bachmann process for the continuous preparation of RDX, by Frank C. Whitmore, J. G. Aston, C. I. Noll, W. H. James and G. C. Bassler. Dec. 4, 1942. B-443. OSRD 1121. C

10343 The chemistry of cyclonite, by Gerald Clayton Bassler Oct. 1, 1943. C

10344 Detailed investigation of yields in the Bachmann process, progress report Feb. 12, 1942. C

10345 The distillation of pentek acetate, by Frank C. Whitmore. Jan. 7, 1944. C

10346 The effects of closing each of the reactor feeds in the continuous process for the preparation of RDX, by Frank C. Whitmore. Dec. 11, 1942. B-453. OSRD 1089. C

10347 The interferometer method, by Frank C. Whitmore and C. I. Noll. [Aug. 14, 1943] C

10349 Nitration of mixtures of ammonium acetate and hexamine, by Frank C. Whitmore. Apr. 30, 1942. B-234. OSRL 540. C

10351 The preparation of compound 104; progress reports by Frank C. Whitmore. Dec. 1, 1943 and Jan. 21, 1944. C

10352 The preparation of cyclopentanone, by F. C. Whitmore. July 19, [Aug. 15 and Dec. 15, 1943] C

10354 Preparation of hydroxyethyl glycerol, by F. C. Whitmore. [May 19, 1943] C

10355 The reaction of glycerol with ethylene oxide; progress report by Frank C. Whitmore. July 17 and [Aug. 15, 1943] C

A CATALOG OF OSRD REPORTS

DIVISION 8

10356 Ross process for production of RDX, by Frank C. Whitmore. Jan. 15, 1942. C

PENNSYLVANIA STATE COLLEGE, State College, Pa. OEMsr-244 Projects OD-6, OD-12. See also Queens College, OEMsr-741.

10357 The sensitivity and crystallography of RDX. Apr. 17, 1942. C

10363 Literature survey of military explosives and of the relationship between chemical structure and explosive properties; final report by Frank C. Whitmore. Nov. 1, 1942. C

10359 Studies on RDX; progress reports by Frank C. Whitmore. Aug. 15, 1942-Dec. 15, 1943. The effect on impact-sensitivity of stirring HMX-RDX compositions seeded with beta HMX. Jan. 8, 1944. The effect on sensitivity of seeding HMX-RDX compositions with beta HMX. Oct. 15, 1943. Appendix, Nov. 2, 1943. C

10364 Recovery of acetic acid from the Bachmann (combination) process; progress report. Dec. 8, 1941. C

10360 Studies on the heat phenomena observed in the preparation of RDX by the Bachmann process, by Frank C. Whitmore, J. G. Aston, C. I. Noll, W. H. James and G. C. Bassler. Dec. 8, 1942. B-458. OSRD 1134. C

10365 DINA and related compounds; final report by Marvin Carmack. June 19, 1945. OSRD-5157. C

10361 A study of recovery of acetic acid and ammonium nitrate from the Bachmann process; progress report by Frank C. Whitmore. Feb. 17, 1942. B-182. OSRD 393. C

10366 Studies on the mechanism of formation of cyclonite (RDX); final report by Marvin Carmack, Isaiah Von, J. J. Leavitt and Frederick A. Kuehl, jr. Mar. 1, 1946. OSRD 6328. C

10362 Study of the recovery from the Bachmann process; progress report. Jan. 15, 1942. C

10367 The chemistry of DINA; progress reports by Marvin Carmack. Jan. 15 and Feb. 15, 1945. Report nos. PRD-7, 8. C

DIVISION 8

A CATALOG OF OSRD REPORTS

- 10368 [DINA and related compounds] progress reports by Marvin Carmack, Manuel Baizer, Richard Handrick, Leonard Kissinger and Edward Specht. Oct. 15, Nov. 15 and Dec. 15, 1942. C
- 10369 Investigation of the catalytic conversion of benzene to DNP, by M. Carmack. [Dec. 15, 1942-Apr. 15, 1944] C
- 10370 The mechanism of formation of cyclonite, by G. P. Baxter, R. P. Linstead, Marvin Carmack, F. A. Kuehl, jr., J. J. Leavitt, Ralph Connor and Isaiah Von. Informal progress reports, Nov. 14, 1942-May 15, 1944. Report nos. PR-(7b-21b). Formal progress report, Aug. 21, 1943. OSRD 1733. C
- 10371 Mechanism of the reaction of hexamine and related compounds with nitric acid, acetic anhydride and ammonium nitrate, by Ralph Connor. Feb. 1, 1943. C
- 10375 Preparation of DINA; progress reports by Marvin Carmack. June 15-Dec. 15, 1944. Report nos. PRD-(1-6). C
- 10376 The preparation of Fivol, by Marvin Carmack and V. C. Neklutin. Sept. 23, 1943. SPR-5. C
- 10377 Preparation of nitroindene polymer (NIP), by M. Carmack. [Dec. 15, 1942] C
- 10378 The preparation of RDX by the direct nitrolysis of hexamine, by Marvin Carmack. Aug. 7, 1945. OSRD 5398. C
- 10379 [Synthesis of new explosives and explosives intermediates] progress report by Marvin Carmack and Richard Handrick. Sept. 15, 1942. C
- 10380 Ultraviolet absorption spectra of nitramines and their salts, by M. Carmack. [Mar. 15, 1943] C
- 10381 Ultraviolet absorption spectra of nitramines, nitrohydroxylamines and their salts, by Marvin Carmack, F. A. Kuehl, jr. and J. J. Leavitt. Aug. 23, [Sept. 15, 1943 and Feb. 15, 1944] C

A CATALOG OF OSRD REPORTS

DIVISION 8

UNIVERSITY OF PENNSYLVANIA, Philadelphia, Pa. OEMar-962 Projects NO-135, OD-6, OD-12.

10384 Hazards to the health of individuals working with RDX; progress reports by F. William Sunderman, J. K. Clark, E. S. Bills, F. D. Weidman, Sidney Cohen and E. Wayne Marshall. June 10, 1943-June 15, 1944. Systemic toxicity studies following administration of RDX. Apr. 15, 1944. C

10385 Hazards to the health of individuals working with RDX (B), by F. William Sunderman. Sept. 28, 1944. OSRD-4174. C

10386 Studies of the toxicity of ammonium picrate, by F. W. Sunderman. [Mar. 15, 1945] C

10387 Studies of the toxicity of DINP, by F. William Sunderman, Harold Wooster and Joann F. Scanlan. [Nov. 15, 1944-Mar. 15, 1945] C

PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. OEMar-1126 Projects NO-B10, NO-B38, NO-199, NO-201, OD-01, OD-04, OD-103.

10388 Process design of a Fivonite pilot plant; final report. Dec. 1943. OSRD 3054. Report 457-43. C

UNIVERSITY OF PITTSBURGH, Pittsburgh, Pa. OEMar-754 Projects NO-B10, NO-B38, NO-99, NO-199, NO-201, OD-01, OD-04, OD-103.

10389 Heat of combustion of explosive substances; final report by Gebhard Stegeman. July 4, 1945. OSRD 5306. C

10390 Determination of heats of combustion, by Gebhard Stegeman. [Mar. 15, June 15, 1943 and Mar. 15, 1944] C

10391 Heats of combustion of explosive substances. Feb. 11, May 21, 1943 and [Mar. 4, 1944] C

PRINCETON UNIVERSITY, Princeton, N. J. OEMar-957 Projects NO-144, NO-224, OD-02, OD-03.

10393 The stability of detonation; final report by Henry Eyring. Feb. 27, 1946. C

10395 Failure of detonation; progress report by Henry Eyring. June 1, 1944. C

10396 [Theory of detonations] progress report by Henry Eyring. Apr. 20, 1945. C

DIVISION 8

A CATALOG OF OSRD REPORTS

- 10398 The theory of explosion initiation; progress reports by George H. Duffey, Ransom B. Parlin, Richard E. Powell and Henry Eyring. June 1, 1943-[Oct. 15, 1944] Failure of detonation. [June 15, 1944] The non-steady detonation wave. Feb. 1, 1944. Rarefaction wave in the steady-state detonation. [Nov. 15, 1943] Structure of the quasi-stationary wave. July 1, Aug. 1 and Sept. 1, 1943. A theory of the propagation of detonation in liquid explosives. [Aug. 15, 1944] Variation of reaction zone length with detonation velocity. [Sept. 15, 1944] C
- 10403 Preparation and testing of explosives; interim reports compiled by H. J. Fisher. Sept. 15, 1942-Aug. 15, 1945. Report nos. PT-(1-36). C
- QUEENS COLLEGE, Flushing, N. Y.
OEMsr-741
Projects NO-B10, NO-B38, NO-199, NO-201, OD-01, OD-04, OD-103.
- 10405 Compilation of data on organic explosives; final report by A. H. Blatt. Feb. 29, 1944. OSRD 2014. C
- 10407 [Compilation of data on organic explosives] monthly reports by A. H. Blatt. Oct. 14 and Nov. 11, 1942. C
- 10408 [Compilation of data on organic explosives] monthly reports by A. H. Blatt. Dec. 15, 1942, Feb. 15 and Mar. 15, 1943. R
- 10410 A literature survey of explosives, by A. H. Blatt and F. C. Whitmore. Dec. 4, 1942. B-442. OSRD 1085. C
- ROHM AND HAAS COMPANY, Philadelphia, Pa.
OEMsr-643
Projects NO-B10, NO-B38, NO-103, NO-199, NO-201, OD-01, OD-04.
- P. T. SERIES (Preparation and Testing of Explosives).
- 10402 Index to "Preparation and testing of explosives, August 15, 1942 to August 15, 1944". [Report nos. PT-(1-24)] C
- 10412 [Preparation of polymers which might be of interest as explosives] report nos. 2-17 by Herman A. Brinson. Oct. 9, 1942-Dec. 23, 1943 C

A CATALOG OF OSRD REPORTS

DIVISION 8

K. P. SERIES (Rocket Propellants).

10413 Rocket propellants; interim reports compiled by Howard J. Fisher. Sept. 15, 1942-Aug. 15, 1945. Report nos. RP-(1-36). C

TENNESSEE EASTMAN CORPORATION,
Kingsport, Tenn. OEMsr-393
Project OD-12.

R. R. C. SERIES (Studies on RDX and Related Compounds).

10414 Studies on RDX and related compounds; compiled by S. R. Aspinall. Jan. 15, 1943-Oct. 15, 1944. Report nos. RRC-(1-22). C

10419 RDX experimentation; [final report] by F. R. Conklin, D. C. Hull, Lee G. Davy, R. C. Burton and E. G. Guenther. Oct. 30, 1942. B-412. OSRD 958. 2 vols. C

S. C. SERIES (Shaped Charges).

10415 Shaped charges; interim reports compiled by Howard J. Fisher. Sept. 15, 1943-Aug. 15, 1945. Report nos. SC-(1-24). C

10420 Acid recovery and RDX semi-works development; letter by R. G. Stone. Feb. 24, 1942. C

S. P. SERIES (Special Propellants).

10416 Special propellants; interim reports by Howard J. Fisher. Sept. 15, 1942-Aug. 15, 1945. Report nos. SP-(1-35). C

10422 Design of semi-works plant for primary distillation and subsequent dehydration of special crude acid; progress report no. 3 by C. C. Hyatt, jr. Jan. 14, 1942. C

T. C. SERIES (Tracer Compositions).

10418 Tracer compositions; interim reports compiled by Howard J. Fisher. Sept. 15, 1943-Aug. 15, 1945. Report nos. TC-(1-18). C

10423 Log report of laboratory experimental work and pilot plant construction on acid recovery, by F. R. Conklin. Mar. 7, 1942. C

DIVISION 8

A CATALOG OF OSRD REPORTS

- 10426 Memorandum of visit of Canadian representatives to Kingsport, by F. R. Conklin. Mar. 25, 1942. C
- 10427 Miscellaneous laboratory investigations; progress report nos. 6 and 9 by C. C. Hyatt, jr. and R. R. Moore. Mar. 9 and Apr. 22, 1942. C
- 10428 [Operation of primary distillation and azeotropic dehydration units] progress report no. 4 by C. C. Hyatt, jr. Jan. 20, 1942. C
- 10429 Operation of semi-works acid recovery plant in Building 96; progress report nos. 7, 8 and 10 by C. C. Hyatt, jr., John H. Zeigler and Robert Teeter. Apr. 5, Apr. 22 and July 4, 1942. C
- 10430 Operation of semi-works primary distillation and azeotropic dehydration plant; progress report no. 5 by C. C. Hyatt, jr. Mar. 9, 1942. C
- 10431 RDX experimental acid recovery; progress reports by John H. Zeigler, Robert Tee- ter and C. C. Hyatt, jr. Mar. 7, Apr. 19 and July 4, 1942. Report nos. EWO 140-(1-3). C
- 10432 RDX experimentation; progress reports by F. R. Conklin, Lee G. Davy and E. G. Guenther. Mar. 7-Aug. 8, 1942. Report nos. EWO 142-(1-7). Relationship of materials usage to yield and physical properties. May 18, 1942. EWO 142-4. C
- 10433 [RDX production] technical report no. 1 by Lee G. Davy. [Mar. 7, 1942] C
- 10434 Report of visit to Eastern Laboratories of the E. I. DuPont de Nemours and Company, Gibbstown, New Jersey, by E. G. Guenther. Mar. 4, 1942. C
- 10435 Sensitivity program. Oct. 1942. C
- 10436 Specific conductance measurements on acid-salt, water mixtures, by J. G. Aston and Lee G. Davy. June 23 and June 24, 1942. C
- 10437 Summarized report of development work on RDX with recommendations and conclusions, by D. C. Hull, Lee G. Davy and F. R. Conklin. Apr. 26, 1942. C
- 10438 T.E.C. modification of Bachmann V-129, by Lee G. Davy. Feb. 14, 1942. C
- TENNESSEE EASTMAN CORPORATION,
Kingsport, Tenn. OEMsr-397
Project OD-12. See also
Tennessee Eastman Corpora-
tion. OEMsr-393.
- 10439 RDX incorporation; progress reports by F. R. Conklin. Log report of pilot plant construction on 506 incorporation Mar. 14, 1942. EWO 143-1. Report of development work in connection with incorporation of Composition B Apr. 22, 1942. EWO 143-2. Equipment for pellet formation. June 9, 1942. EWO 143-3 C

A CATALOG OF OSRD REPORTS

DIVISION 8

VANDERBILT UNIVERSITY, Nashville,
Tenn. OEMsr-790
Projects OD-6, OD-12.

10441 Analysis of RDX - HMX mixtures; report nos. 3-5 by James Cason and Franklin S. Prout. Dec. 14, 1942-Apr. 15, 1943. C

10442 Destruction of RDX and HMX by hydrolysis; report no. 2 by James Cason and Franklin S. Prout. Jan. 15, 1943. C

10443 Hydrolysis method, by James Cason and Franklin S. Prout. [Aug. 14, 1943] C

10444 Preferential destruction of RDX in RDX-HMX mixtures; report no. 6 by James Cason and Franklin S. Prout. May 15, 1943. C

10445 Studies on nitramines; report nos. 7-14 by James Cason and Franklin S. Prout. June 15, 1943-Jan. 15, 1944. C

WESTERN CARTRIDGE COMPANY, East Alton, Ill. OEMsr-181 Project OD-12.

10447 Operations of the RDX Engineering Laboratory, by A. O. Franz. Jan. 21 1942. C

10448 RDX pilot plant operations; quarterly report by A. O. Franz. Mar. 14, 1942. C

UNIVERSITY OF WISCONSIN, Madison, Wis. OEMsr-210 Projects OD-05, OD-44.

10451 Accelerants for the gelatinization of nitrocellulose, by J. W. Williams. [Oct. 15, 1942] C

10452 [Fractionation of nitrocellulose] monthly progress reports by J. W. Williams and R. Owen Carter. Jan. 15, 1942-Feb. 15, 1944. C

10455 Solvent removal from smokeless powders, by J. W. Williams. [Oct. 15, 1943] C

UNIVERSITY OF WISCONSIN, Madison, Wis. OEMsr-1040 Projects NO-33, OD-01, OD-118.

10456 Polarographic investigation of single base powders; final report. Jan. 15, 1946. OSRD 5751. C

10457 The empirical determination of the extent of nitrosation or nitration of diphenylamine and single base powders by means of the polarograph; monthly progress report by Villiers W. Meloche. Apr. 15, 1945. C

10458 Further study of transformation products of diphenylamine; monthly progress report by Villiers W. Meloche. May 15, 1944. C

DIVISION 8

A CATALOG OF OSRD REPORTS

- 10459 The polarographic characteristics of the nitrosation-nitration products of diphenylamine, by Villiers W. Meloche. Feb. 15, 1945. C
- 10460 Polarographic examination of nitrates; monthly progress reports by Villiers W. Meloche and Joseph Guffy. Sept. 15, 1943-[Feb. 15, 1944] Title varies. C
- 10461 Polarographic examination of nitro cellulose; monthly progress report by Villiers W. Meloche and Joseph Guffy. Aug. 15, 1943. C
- 10462 Polarographic examination of stabilizers, by V. W. Meloche. [Feb. 15 and Apr. 15, 1945] C
- 10463 [Polarographic investigation of powders] monthly progress reports by Villiers W. Meloche and J. Guffy. Jan. 15-Nov. 15, 1944. C
- 10464 Progress on an attempt to relate an empirical estimation of the nitrosation or nitration of DPA to the relative stability of PYRO; monthly progress report by Villiers W. Meloche. Jan. 15, 1945. C
- 10465 Transformation products of diphenylamine; monthly progress report by Villiers W. Meloche. June 15, 1944. C

10466 Transformation products of DPA and relation to stability of single base powder (Pyro); monthly progress report by Villiers W. Meloche. Mar. 15, 1945. C

DIVISION AND MISCELLANEOUS
See also Division 2, Division and Miscellaneous.

- 10467 The analysis of RDX-HMX mixtures; final report by Ralph A. Connor, James Cason, Ralph L. Shriner, Frank C. Whitmore and Werner E. Bachmann. Aug. 14, 1943. OSRD-1711. C
- 10469 Abstracts of Division 8 reports on explosives and other subjects related to armor and ordnance. Mar. 6, 1945. A-317. OSRD 4766. C
- 10470 Bibliography of OSRD reports issued by Division 8. Apr. 19, 1946. OSRD 6630. C
- 10473 Demobilization program. Aug. 10, 1945. C
- 10474 DINA and related compounds, by Alfred T. Blomquist. June 9, 1945. OSRD 5155. C
- 10476 Effect of varying the ratio of nitric acid and of acetic anhydride to hexamine. Effect of water in nitric acid-ammonium nitrate solutions. [194-] R

A CATALOG OF OSRD REPORTS

DIVISION 8

VANDERBILT UNIVERSITY, Nashville, Tenn. Projects OD-6, OD-12.	UNIVERSITY OF WISCONSIN, Madison, Wis. Projects OD-05, OD-44.
10441 Analysis of RDX - HMX mixtures; report nos. 3-5 by James Cason and Franklin S. Prout. Dec. 14, 1942-Apr. 15, 1943. C	10451 Accelerants for the gelatinization of nitrocellulose, by J. W. Williams. [Oct. 15, 1942] C
10442 Destruction of RDX and HMX by hydrolysis; report no. 2 by James Cason and Franklin S. Prout. Jan. 15, 1943. C	10452 [Fractionation of nitrocellulose] monthly progress reports by J. W. Williams and R. Owen Carter. Jan. 15, 1942-Feb. 15, 1944. C
10443 Hydrolysis method, by James Cason and Franklin S. Prout. [Aug. 14, 1943] C	10455 Solvent removal from smokeless powders, by J. W. Williams. [Oct. 15, 1943] C
10444 Preferential destruction of RDX in RDX-HMX mixtures; report no. 6 by James Cason and Franklin S. Prout. May 15, 1943. C	UNIVERSITY OF WISCONSIN, Madison, Wis. Projects NO-33, OD-01, OD-118.
10445 Studies on nitramines; report nos. 7-14 by James Cason and Franklin S. Prout. June 15, 1943-Jan. 15, 1944. C	10456 Polarographic investigation of single base powders; final report. Jan. 15, 1946. OSRD 5751. C
WESTERN CARTRIDGE COMPANY, East Alton, Ill. Project OD-12.	10457 The empirical determination of the extent of nitrosation or nitration of diphenylamine and single base powders by means of the polarograph; monthly progress report by Villiers W. Meloche. Apr. 15, 1945. C
10447 Operations of the RDX Engineering Laboratory, by A. O. Franz. Jan. 21, 1942. C	10458 Further study of transformation products of diphenylamine; monthly progress report by Villiers W. Meloche. May 15, 1944. C
10448 RDX pilot plant operations; quarterly report by A. O. Franz. Mar. 14, 1942. C	

DIVISION 8

A CATALOG OF OSRD REPORTS

10459 The polarographic characteristics of the nitrosation-nitration products of diphenylamine, by Villiers W. Meloche. Feb. 15, 1945. C

10480 Polarographic examination of nitrates; monthly progress reports by Villiers W. Meloche and Joseph Guffy. Sept. 15, 1943-[Feb. 15, 1944] Title varies. C

10461 Polarographic examination of nitro cellulose; monthly progress report by Villiers W. Meloche and Joseph Guffy. Aug. 15, 1943. C

10462 Polarographic examination of stabilizers, by V. W. Meloche. [Feb. 15 and Apr. 15, 1945] C

10463 [Polarographic investigation of powders] monthly progress reports by Villiers W. Meloche and J. Guffy. Jan. 15-Nov. 15, 1944. C

10464 Progress on an attempt to relate an empirical estimation of the nitrosation or nitration of DPA to the relative stability of PYRO; monthly progress report by Villiers W. Meloche. Jan. 15, 1945. C

10465 Transformation products of diphenylamine; monthly progress report by Villiers W. Meloche. June 13, 1944. C

10466 Transformation products of DPA and relation to stability of single base powder (Pyro); monthly progress report by Villiers W. Meloche. Mar. 15, 1945. C

DIVISION AND MISCELLANEOUS
See also Division 2, Division and Miscellaneous.

10467 The analysis of RDX-HMX mixtures; final report by Ralph A. Connor, James Cason, Ralph L. Shriner, Frank C. Whitmore and Werner E. Bachmann. Aug. 14, 1943. OSRD 1711. C

10469 Abstracts of Division 8 reports on explosives and other subjects related to armor and ordnance. Mar. 6, 1945. A-317. OSRD 4766. C

10470 Bibliography of OSRD reports issued by Division 8. Apr. 19, 1946. OSRD 6630. C

10473 Demobilization program. Aug. 10, 1945. C

10474 DINA and related compounds, by Alfred T. Blomquist. June 9, 1945. OSRD 5155. C

10476 Effect of varying the ratio of nitric acid and of acetic anhydride to hexamine. Effect of water in nitric acid-ammonium nitrate solutions. [194-] R

A CATALOG OF OSRD REPORTS

DIVISION 8

- | | |
|---|---|
| 10478 [Explosives] bimonthly summary reports. Aug. 15, 1943-Aug. 15, 1945. C | 10488 Minutes of the Technical Meetings of the Joint Committee on Shaped Charges. Mar. 29 and June 30, 1943. C |
| 10479 The hydrodynamic theory of detonation waves. Part I. A literature summary, by G. B. Kistiakowsky and E. B. Wilson, Jr. [194-] R | 10490 Plans for demobilization of Division 8. Oct. 24, 1944. C |
| 10480 Integrator circuit, by [R. H. Cole] [194-] C | 10491 Project summary and budget estimate. June 1, 1945. C |
| 10481 Intermediate burning products of nitrocellulose, by M. L. Wolfson and Robert C. Elderfield. May 3, 1944. CSRD 3568. C | 10493 Properties and performance of RDX, by George B. Kistiakowsky and Robert C. Elderfield. Sept. 9, 1944. B-74. CSRD 136. C |
| 10482 Invention report on composite propellants; I. Thermo-setting resinous binders, by Benton A. Bull. Oct. 15, 1943. C | 10494 Reports to the NDR, June 4, 1943 and July 1, 1944. C |
| 10483 Invention report on RDX; supplementary report by Benton A. Bull. Oct. 20, 1942. C | 10495 Sensitivity of explosives to projectile impact. Jan. 1, 1944. CSD 314. C |
| 10486 Liquid explosives for mine clearing, by Howard J. Fisher. May 17, 1943. L-2. C | 10496 Suggestions for determining the proper criterion for judging explosive weapons for underwater use, by S. Bright Miller, Jr. June 25, 1943. C |
| 10487 Mark 29 device; interim reports. Dec. 15, 1942-Oct. 15, 1943. M29-(1-9). C | 10499 Theory of the interaction of shock waves: short tract of report presented to Technical Meeting on Cavity Charges, by R. J. Seeger. Mar. 29, 1943. C |